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# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER



Established 1859

28½ Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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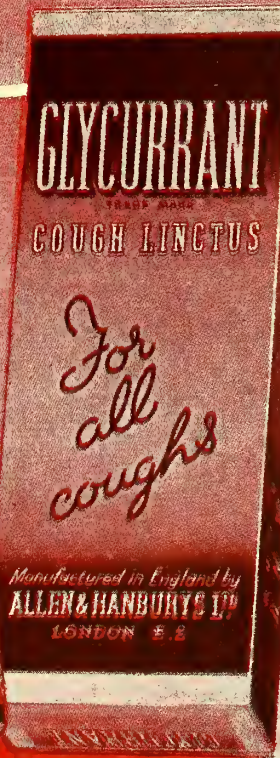
Annual Subscription (with  
Diary) 25/- Single Copies 9d.

## GLYCURRANT COUGH LINCTUS

TRADE MARK

# FOR ALL COUGHS

Glycurrant which contains, in addition to many valuable ingredients the juice of fresh ripe black currants, already so well appreciated by the public in the form of Allenburys Glycerine and Black Currant Pastilles.



Glycurrant Cough Linctus is a product you can sincerely recommend 'For all Coughs.'

It is attractively packed in two retail sizes.

**1/6 & 2/9**  
PER BOTTLE

Plus purchase Tax.

**ALLEN & HANBURY LTD LONDON, E.2**

PHONE: BISHOPSGATE 3201 (12 lines), WIRES: GREENBURYS, BETH, LONDON.





●  
Send for  
Bonus Terms

Because of the security it confers in respect of protected price and assured profit, Euthymol is a sound line from which you can secure good and profitable business. It has been on the P.A.T.A. for over 30 years and has no sixpenny size.

**PARKE, DAVIS & CO., 50 BEAK ST., LONDON, W.1**



# Show 'Elasto'—It Sells on Sight!

*It's advertised as a Chemist's Line*



## ONE SHILLING AND THREEPENCE PROFIT ON EVERY SALE

'ELASTO' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few 'Elasto' cartons displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for: Varicose Veins, Bad Leg, Phlebitis, Piles, Hardened Arteries, Heart Troubles, Rheumatism, Bad Circulation, etc. A tablet Remedy, easy to handle and reliable.



Retail Price 5/- per pkt. Wholesale 45/- per doz.

P.A.T.A. SUBJECT TO PURCHASE TAX

SHOW MATERIAL GLADLY SENT FREE ON REQUEST

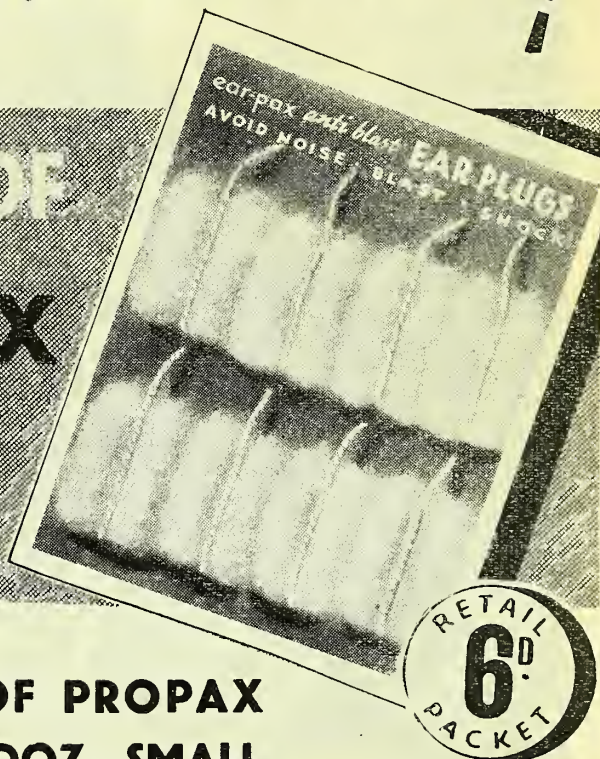
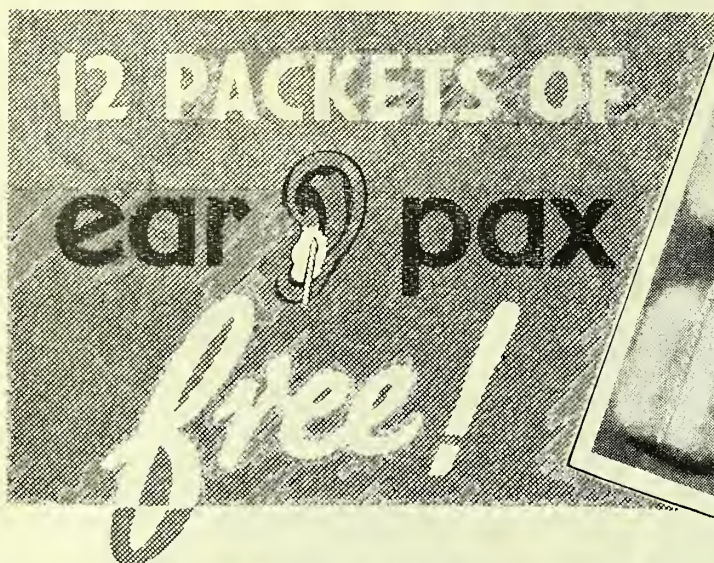
### The NEW ERA TREATMENT CO. LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1



# SPECIAL *Bonus* OFFER!



## WITH EVERY ORDER OF PROPAX FOR 1 DOZ. LARGE & 1 DOZ. SMALL

Here's a timely offer. Nerve-strain and loss of sleep encourage the formation of poisons in the system. Poisons encourage all kinds of pain. Propax gets rid of pain and poisons too—it's equally effective for headaches, 'flu, colds, neuralgia, neuritis, rheumatism, nerve pains and those physical stresses to which women are subject. It forms no habit and leaves no ill effect.

It's safe and sure. With every order of one dozen large and one dozen small Propax come twelve *free* packets of Earpax — and Earpax are non-disintegrating earplugs specially designed to guard against the noise and shock that cause fatigue under raid conditions. These two lines have developed strong sales all over the country—they can be relied upon for rapid turnover. And the bonus offer gives an extra profit on prompt orders.



### FORMULA

|   |     |           |
|---|-----|-----------|
| Acid. Acetylsalicyl   | ... | GR. 3.5   |
| Para-acet-phenetin  | ... | GR. 2.0   |
| Trimethylxanthine   | ... | GR. 0.5   |
| Dihydrodiphenylphthalide  | ... | GR. 0.166 |
| No proprietary rights are claimed in the preparation of this product. |     |           |

### TRADE TERMS

|                        |           |            |
|------------------------|-----------|------------|
| Wholesale              | 22/6 doz. | Retail 2/6 |
| Wholesale              | 13/3 doz. | Retail 1/5 |
| Including Purchase Tax |           |            |

# PROPAX

BRAND

SOLE DISTRIBUTOR: SPLENDOR LTD., 5, BEASTMARKET HILL, NOTTINGHAM



# Safeguard their Health—



**BIG SALES ASSURED** when you recommend these Crookes products to prevent infection and illness **IN AIR-RAID SHELTERS**

Radio and newspapers are emphasising the absolute necessity of safeguarding against disease in shelters this winter. And the public realise this fact too! Below are listed common dangers and prophylactics for four air-raid shelters. They will prove big and steady sellers if you recommend them. Write today for details, including **generous bonus terms and extra war savings certificate bonus scheme.**

## CROOKES' HALIBUT OIL

A safeguard against diseases arising from vitamin deficiency due to scrappy, inadequate and irregular shelter meals. It is 80 times richer in Vitamin A and 30 times richer in Vitamin D than good cod liver oil. Specially suitable for children since it is administered as 'a drop instead of a spoonful.'



## CROOKES' COLLOTONE

A reliable reconstituent with very rapid action, Crookes' Collotone is a pleasantly flavoured hæmâtin for general use and in the treatment of debility and depression of nervous origin.



## CROOKES' BROMOFORM CO.

An insistent cough will keep the sufferer—and those who happen to be near him—awake all night. Crookes' Collosol Bromoform Co. gives almost immediate relief and ensures a good night's rest. Most valuable in whooping cough and bronchial affections.

## CROOKES' IODINE AND BLACKCURRANT PASTILLES

An effective and palatable method of preventing and remedying affections of the mouth and throat. Because each pastille contains Collosol Iodine (1/10th of a grain) full therapeutic effects are produced. Specially valuable for children, who like the flavour.



**THE CROOKES LABORATORIES** (*British Colloids Ltd.*) **PARK ROYAL, LONDON, N.W.10**  
 Telephone: Willesden 6313 (5 lines)      Telegrams: Collosols, Harles, London

T.G.S.

B



## ANNOUNCEMENT BY

# ANZORA

## PERFUMERY COMPANY LIMITED

*Showing the Purchase Tax chargeable on Anzora Products*

|  | OLD PRICES |             | PURCHASE TAX | NEW PRICES |             |
|--|------------|-------------|--------------|------------|-------------|
|  | To Public  | To Retailer |              | To Public  | To Retailer |
| ANZORA<br>CREAM and<br>VIOLA                   | 6d. each   | 4/- doz.    | 1/4 doz.     | 7½d. each  | 5/4 doz.    |
|  | 9d. „      | 6/- „       | 2/- „        | 11d. „     | 8/- „       |
|  | 1/3 „      | 10/- „      | 3/4 „        | 1/6½ „     | 13/4 „      |
|  | 2/3 „      | 18/- „      | 6/- „        | 2/9 „      | 24/- „      |
|  | 4/- „      | 32/- „      | 10/8 „       | 4/11 „     | 42/8 „      |
| NUZORA<br>HAIR CREAM                           | 6d. each   | 4/- doz.    | 1/4 doz.     | 7½d. each  | 5/4 doz.    |
|  | 1/- „      | 8/- „       | 2/8 „        | 1/3 „      | 10/8 „      |
| ANZORA Brilliantine<br>Popular<br>De Luxe      | 9d. each   | 6/- doz.    | 2/- doz.     | 11d. each  | 8/- doz.    |
|  | 1/- „      | 8/- „       | 2/8 „        | 1/3 „      | 10/8 „      |
| ANZORA Wave Setting<br>Lotion Spirit & Plastic | 6d. each   | 4/- doz.    | 1/4 doz.     | 7½d. each  | 5/4 doz.    |
|  | 1/- each   | 8/- „       | 2/8 „        | 1/3 „      | 10/8 „      |

Each complete dozen of Anzora Cream, Anzora Viola, Anzora Brilliantine and Anzora Wave Setting Lotion, all sizes except 7½d., will entitle the purchaser to a free bottle, i.e. 13 to the dozen,

but Purchase Tax must be paid on the full number, i.e. 13. Complete dozens of Nuzora Cream in jars or tubes, except 7½d. size, will be charged as 11 only but the Purchase Tax must be paid on 12.

*Quantity discounts are allowed on parcels of the value of 30/- (5%), £3 (7½%), or £5 (10%). When allowed, the quantity discount is deducted before the calculation of Purchase Tax.*

### ANZORA PERFUMERY CO., LTD.

DALSTON GARDENS, STANMORE, MIDDLESEX

TELEPHONE: WORDSWORTH 3631



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# RENDELLS

PRODUCTS  
for Feminine Hygiene

W. J. RENDELL LTD.  
HARDWICK HOUSE, 161-5 ROSEBERY AVENUE · LONDON · E.C.1.



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# Disinfectants

to Hospitals, Public Institutions, Local Councils, &c.  
REMEMBER that

**BURT, BOULTON & HAYWOOD LTD.** Managers to  
the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 10/12, 18/20, 20/22, 24/26.

Lysol B.P. Quality. Pine Disinfecting Fluids.

Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.

Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.

Tar Acids and Rideal Walker Co-efficiency guaranteed.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

SAMPLES AND PRICES ON APPLICATION TO

**PRINCE REGENT TAR COMPANY, LTD.**

(Managers: **BURT, BOULTON & HAYWOOD, LTD.**)

**BRETENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W.C.2**  
Phone: Temple Bar 5801 (5 lines)      Telegrams: "Burboul, Rand, London"

Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20  
Liquid Carbolic and Cresylic Acid, Dark 95/97% and Pale 97/99%.

Sulphur Candles. Formaldehyde (Formalin) 40% Solution  
Liquid Soaps.

SOLUBLE Carbolic or Pine Blocks for road watering vans  
Carbolic Weed Killer, etc.

May be sold by Chemists and Druggists under own name.



# BUSINESS TO SHARE

Ucal has at its command:

- ★ Experience
- ★ Trained personnel
- ★ Up-to-the minute research facilities
- ★ Big buying capacity

which enables Products of real merit to be created and sold at the right prices.

Ucal Products are made for an educated and discerning public.

It will pay you to feature Ucal Products and get more of the better class trade.

No competition from Stores, Grocers, Co-ops.



UNITED CHEMISTS ASSOCIATION LTD.  
CHELTENHAM





## THIS HOT WATER BOTTLE IS ALWAYS WARM



### THE "SUPREME MIRACLE"

THE NEW IDEA IN WATER BOTTLES

#### THIS IS WHAT IT DOES!

- ★ Ensures constant warmth for Invalids.
- ★ Keeps beds always aired.
- ★ Avoids successive fillings of hot water.
- ★ Can even be left on for weeks with perfect safety.
- ★ Saves its own cost over and over again.

Very few homes are without the ordinary hot water bottle, so just imagine the immense market that awaits the SUPREME MIRACLE with its practically everlasting heat. It fits most rubber bottles and only consumes one unit of electricity during 100 hours. Particularly invaluable for air raid shelters. Retails at 13/9 plus purchase tax, not including water bottle. Generous trade discount. Write for details TODAY.

See advts. in *B.M.J.* and *Lancet*

**L. G. HAWKINS & Co. Ltd.**  
30-35 Drury Lane, London, W.C.2  
Phone: Temple Bar 5811

## DISKA

### BULB

REG. NO. 815689

### CLINICAL THERMOMETERS

Diska Bulb Clinical Thermometers are recognised as the most perfect type of clinical thermometers to use



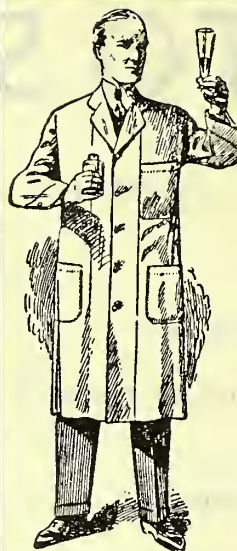
Note the Special Disc Shaped Bulb

**OBTAINABLE AT FIXED PRICES  
FROM ALL WHOLESALE HOUSES**

Sole Manufacturers

**A. C. COSSOR & Son (Thermometers) Ltd. London**

## GARDINERS for OVERALLS



### HIGH GRADE OVERALLS

#### LONG COATS

White, Khaki or Grey 10/6  
Super Quality, specially shrunk 12/6, 14/6

#### LONG COATS

White, Khaki or Grey, hard wearing  
**SPECIAL OFFER 8/11**

#### SHOP JACKETS

Super White Drill 6/11

#### ALPACA JACKETS

A large selection at all prices

All prices subject to alteration without notice.

We hold a large and varied stock of every kind of protective clothing. Special attention to Post Orders. Cash refunded if not approved. Postage paid on orders over £1.

Write or phone B1Shopgate 6751 for illustrated Price List

**GARDINER & CO. (THE SCOTCH HOUSE) LTD.**

1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1

OPPOSITE THE NEW ALDGate EAST STATION

### 2.5 SPOT BULBS . . . FAMOUS PAO CHU BRAND

#### IMMEDIATE DELIVERY

Price 7s. 6d. per 100 in case lots of 10,000 ex U.K. Warehouse. Arriving January—1.5 and 3.5. Spot Bulbs, 8s. 6d. per 100

### GLAZIER & SONS, LTD.

47 MOUNT STREET, LONDON, W.1 Mayfair 3159 & 4145

*A profit maker!*

## MASON'S GINGER WINE ESSENCE

#### SWEETENED

NOW SWEETENED TO MEET WAR-TIME REQUIREMENTS

The season for Ginger Wine is here. See you have a good stock of Mason's sweetened Ginger Wine Essence, which not only makes a delicious drink but is also a cordial digestive and nerve soother. Write for trade terms.

**NEWBALL & MASON, LTD. NOTTINGHAM**

RUBBER



PRODUCTS

## CONDOMS

BRITISH THROUGHOUT

IN SILK AND IVORY FINISH, LOOSE ROLLED

16/6 per gross net. Minimum quantities 5 gross lots.

### GENERAL LATEX LIMITED

802 Oxford Avenue, Trading Estate, SLOUGH

Telephone 13221

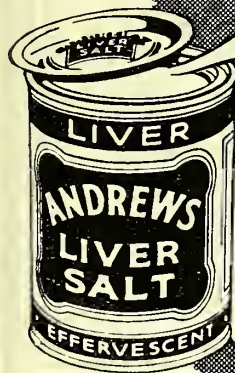


MANUFACTURERS OF

**Richard Daniel & Son**  
Derby. LTD.

**TABLETS & PILLS**  
**INFLUENZA TABLETS**  
Bottles of 25  
7/- per dozen

'Phone: DERBY 4266/7/8      'Grams: "DANIA", DERBY



*The demand  
is for  
**ANDREWS***

**DORSELLA**  
FOOD

... IS THE WORLD'S FINEST  
**MILK FOOD**

YOU CAN RECOMMEND IT WITH EVERY CONFIDENCE FOR CHILDREN, INVALIDS AND FOR GENERAL USE. IT IS A PRIDEAUX PRODUCT, AND SHOWS A GOOD PROFIT

Ask for details and Special Terms

**PRIDEAUX'S PURE CASEIN Co. Ltd.**  
MOTCOMBE - DORSET      London Office - 16 Southwark St.

**KARSODRINE**  
REGD. INHALER BRAND

*The*  
**NEW Volatile Vasoconstrictor**

(containing  $\beta$ -phenylisopropylamine)

A highly active local volatile vasoconstrictor and anodyne. Affords immediate and prolonged contraction of congested nasal mucosa with local analgesic action in cases of Coryza, Nasal Catarrh, Hay Fever, Asthma, Sinusitis, Rhinitis, and all forms of Nasal Congestion. In moulded plastic inhaler, with only ONE CAP to remove, to sell at the reasonable price of



**1/6** per inhaler  
(Including Purchase Tax)



R Each Karsodrine Inhaler contains  
 $\beta$  -phenylisopropylamine  
0.330 gm.:  
Cineol 0.091 gm.:  
Ol. Citronell 0.026 gm.:  
Methyl-o-oxybenzoate  
0.023 gm.:  
Ol. Cedri Lig.  
0.005 gm.:  
Menthol 0.049 gm.

**Trade Terms** (sent gladly to any qualified chemist upon application) show up to

5s. 2½d. per dozen profit

even on small quantities, when ordered with other "Griffiths Hughes"

Pharmaceutical lines. Address: **E. GRIFFITHS HUGHES LTD., ADELPHI, SALFORD, 3, MANCHESTER**



## ESTABLISHED CONNECTION

### 10,000 CHEMISTS

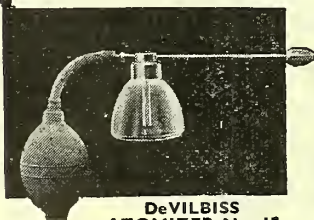
Progressive Manufacturing Company have appropriated £50,000 to development of new lines and invite enquiries from firms producing non quota products suitable for Pharmaceutical Trade.

Apart from our established connection we have a complete sales organisation, staff of highly trained representatives, staff of qualified chemists engaged on Medical Propaganda work, large resources and unique methods for advertising and educational campaign.

We are interested in the development of new products and in addition would be willing to acquire business, undertake the distribution or manufacture of proprietary lines which firms without the necessary capital or organisation may not be able to develop themselves.

Principals of firms interested are invited to write to 374/686, London Office of this Paper.

## PREVENTION IS BETTER THAN CURE



**DeVILBISS  
ATOMIZER No. 15**

This well-known nose and throat Atomizer sprays oil or aqueous solutions with equal ease. Adjustable tip permits spraying in any direction.



**ATLAS ATOMIZER No. 20**  
A compact and dependable nasal Atomizer producing a medium spray from either oil or water solutions.

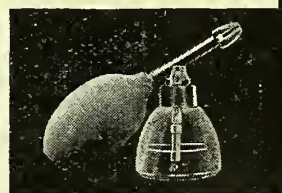
Every home needs one or more DeVilbiss Atomizers. DeVilbiss Atomizers have been used and prescribed by the medical profession for more than 45 years, and to-day the DeVilbiss range includes improved Atomizers of every required type. DeVilbiss Atomizers are reasonably priced, fully guaranteed and carry handsome profits. Conspicuously displayed, they stimulate the sale of medical and antiseptic solutions—and sell themselves.

*Price list on application*

## DeVilbiss ATOMIZERS

**THE AEROGRAPH CO., LTD., 43 HOLBORN VIADUCT, LONDON, E.C.1**

Telephones: Holborn 1257 & 1258



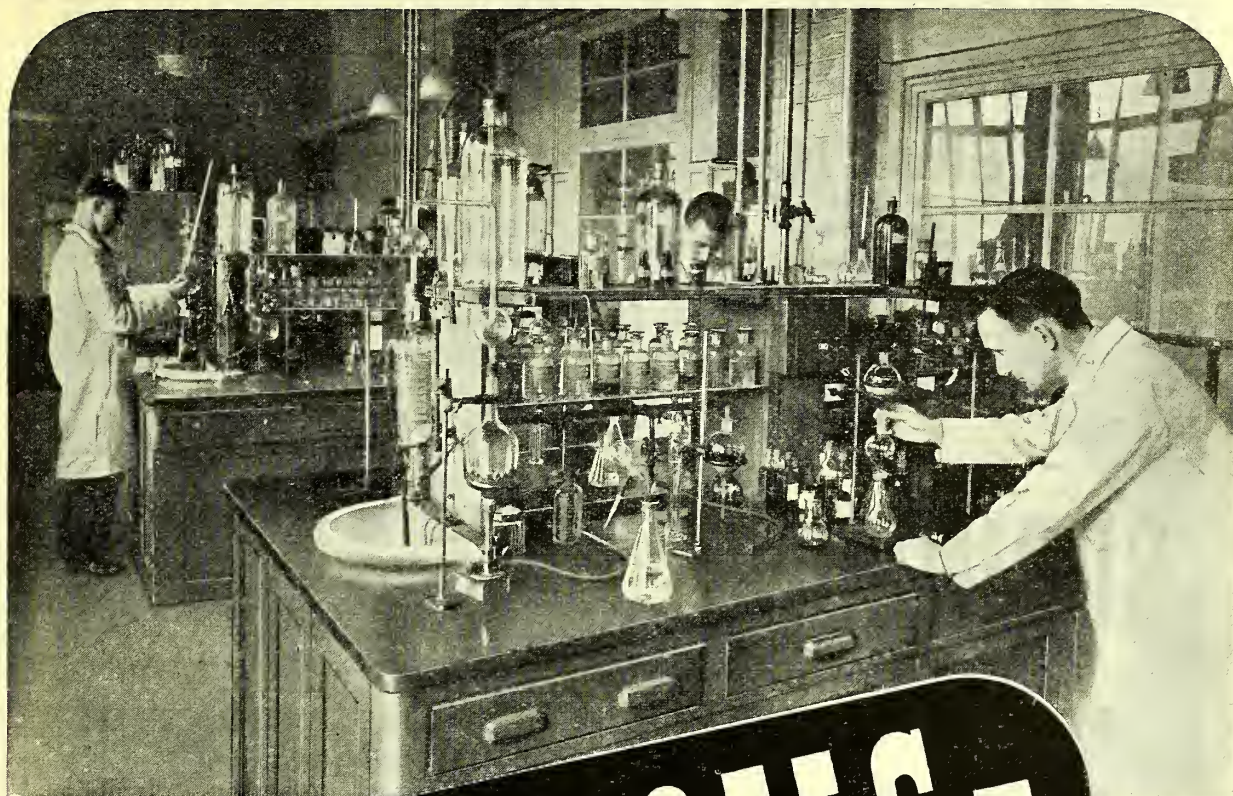
**DeVILBISS  
NEBULIZER No. 45**

For oils only. Produces a large volume of extra dry vapour for deep inhalation.



**ATLAS ATOMIZER No. 25**  
A nose and throat Atomizer of high quality for oil or water solutions. Gives a fine, continuous spray.





# CALENICALS-

**CONTINUOUS RESEARCH**  
Characterises the production of our

**LIQUID EXTRACTS  
TINCTURES, INFUSIONS  
DECOCTIONS, EMULSIONS**

and all  
**Pharmaceutical  
Preparations**



**POTTER &  
CLARKE LTD**

60-64 Artillery Lane, LONDON, E.1  
Phone: BISHOPSGATE 4761 (6 lines)  
77 Dantzic Street, MANCHESTER, 4  
Phone: BLACKFRIARS 8734



## ALTERATION IN PRICE

# ROBINSON'S

## BARLEY WATER

Owing to further increases in production costs the retail price for this highly popular drink was advanced to:

**2/3 PER BOTTLE**

on Wednesday, January 1st, 1941. Robinson's Barley Water is not subject to purchase tax.

Trade quotations on application to Keen, Robinson & Co., Ltd., Norwich

## Please Note

The RETAIL prices of the undermentioned lines remain **unchanged** in spite of the addition of the PURCHASE TAX.

|                          |             |
|--------------------------|-------------|
| BENGUE Brand BALSAM      | 1/3 and 3/- |
| BENGUE'S Menthol DRAGEES | 2/6         |
| BENGUE'S EUPURGO         | 2/-         |
| NOSEPTYL Jelly           | 1/6         |
| NOSEPTYL Liquid          | 2/6         |
| OPTICURA                 | 2/6         |
| AGOCHOLINE               | 4/-         |
| OPOBYL                   | 3/-         |
| PASSIORINE               | 4/-         |
| PULMO-BAILLY             | 4/-         |

The retail prices of ALL other lines handled by us are subject to increase consequent upon the application of the PURCHASE TAX.

*Complete Price List on application*

## BENGUE & CO. LTD.

*Manufacturing Chemists*

Mount Pleasant, Alperton, Wembley

**WARNING TO TORCH USERS**  
You can be prosecuted for flashing a torch upwards.

**UP-OFF**

**DOWN-ON**

**NOW YOU CAN'T BE WRONG**

PUTS YOU ON THE RIGHT SIDE OF NEW LIGHTING LAW  
AVOIDS HELPING THE ENEMY  
PREVENTS ACCIDENTS  
-NO DAZZLE  
SAVES BATTERIES

**LEGALITE**  
MERCURY TORCH SWITCH

FITS ANY STANDARD TORCH  
**1/-**  
EACH

HUNDREDS OF THOUSANDS of **LEGALITES** ARE SELLING EVERY WEEK—A NECESSITY TO ALL TORCH USERS TO KEEP WITHIN THE LIGHTING RESTRICTION ORDER


**RETAILERS' SPECIAL OFFER**  
**16/- cash with order brings you 24 LEGALITES and attractive window showcard**  
**YOU SELL FOR 26/4**

*Retail price 1/- plus 10%, not subject to Purchase Tax.*  
YOUR REGULAR WHOLESALERS CAN SUPPLY, OR FROM THE MAKERS AND PATENTEES:—

**L. G. HAWKINS & CO. LTD.**  
30-35 Drury Lane, London, W.C.2

Phone: Temple Bar 5811





# INSULIN of Exceptional Character

The first  
commercial product  
to be prepared  
with pure Crystalline  
Insulin

**'WELLCOME'**  
TRADE MARK BRAND  
**INSULIN**

An all-British product, world-renowned  
for its purity and dependability

*20 Units per c.c. in 5 c.c. and 10 c.c.  
rubber-capped phials;*

*40 Units and 80 Units per c.c. in 5 c.c.  
rubber-capped phials*

**'WELLCOME'**  
TRADE MARK BRAND  
**PROTAMINE INSULIN**  
**(with ZINC)—Suspension**

Used alone, or in association with  
unmodified insulin, reduces injections  
to one daily

*40 Units per c.c. in 5 c.c. and 10 c.c.  
rubber-capped phials;*

*80 Units per c.c. in 5 c.c. rubber-capped  
phials*



**BURROUGHS WELLCOME & CO., LONDON**





## —prevent war-time vitamin deficiency

**THAT IS WHY MULTIVITE PELLETS  
MEAN BIG, STEADY SALES FOR YOU**

**M**OST customers know food rationing results in vitamin deficiency. They know too—these days—the importance of adequate vitamin supplies. So show them Multivite Pellets and build steady sales. Multivite Pellets contain, in balanced proportions, the essential vitamins A, B<sub>1</sub>, C and D. The Pellets are chocolate-coated and are extremely pleasant to take. Order stocks today.



A product of THE BRITISH DRUG HOUSES LTD., LONDON, N.1

### EACH PELLET CONTAINS:

**Vitamin A**  
3,000 INTERNATIONAL UNITS  
**Vitamin B<sub>1</sub>**  
50 INTERNATIONAL UNITS  
**Vitamin C**  
200 INTERNATIONAL UNITS  
**Vitamin D**  
600 INTERNATIONAL UNITS

### P.A.T.A. PRICES

|                          | Wholesale     | Purchase Tax | Retail (includ. tax). |
|--------------------------|---------------|--------------|-----------------------|
| Tin of 50 pellets        | 24/- per doz. | 4/- per doz. | 3/4                   |
| Bottles of 100 pellets   | 40/- per doz. | 6/8 per doz. | 5/7                   |
| Bottles of 500 pellets   | 13/4 each     | 2/3 each     | 22/3                  |
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# The CHEMIST AND DRUGGIST

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## NEWS OF THE WEEK

**Fire-watching to be Compulsory.**—A decision to make it compulsory that fire-watching services shall be organised in shops, factories and offices has been taken by the Government. Full plans have not been announced, but a canvass of business premises is to be instituted. Penalties for non-compliance with the regulations, when announced, will be severe.

**Key Industry Exemptions Renewed.**—The Treasury have made an Order under Section 10 (5) of the Finance Act, 1926, renewing until June 30, 1941, the exemption from key industry duty of all articles at present exempt, except dial, chinoline, dinitro-orthocresol, ethyl orthoformate and metaldehyde. Copies of the Order, which is entitled the Safeguarding of Industries (Exemption) No. 16 Order, 1940 (S.R. & O., 1940, No. 2182), may be obtained from H.M. Stationery Office.

**Repair of Damaged Business Premises.**—The Board of Trade has issued a leaflet bringing together all the necessary information as to steps to be taken to obtain materials to repair or licences to rebuild premises and plant damaged by enemy action. Copies of the leaflet may be obtained through local authorities or direct from the Regional Licensing Officers of the Ministry of Works and Buildings or from the Regional Officers of the Ministry of Health.

**Prices of Cereal Breakfast Foods.**—Provisional maximum prices are fixed by the Cereal Breakfast Foods (Control and Provisional Prices) Order, 1940, made by the Minister of Food. Henceforth no persons will be permitted to sell a cereal breakfast food at a price exceeding that at which he sold it, subject to similar conditions of sale, on December 2. On and after January 24 no person will be permitted to manufacture, produce, or packet cereal breakfast foods except under and in accordance with the terms of a licence granted by or on behalf of the Minister of Food.

**Purchase Tax.**—The Commissioners of Customs and Excise have issued the following statement concerning discounts on the purchase tax:—

The tax due from the seller to the Crown in respect of the sale must be calculated on the statutory wholesale value of the goods. This is a cash value and consequently any cash discounts which are available to buyers generally may be deducted from the prices by reference to which it is determined. But once the amount of tax due is thus determined it is an absolute figure independent of the actual discount earned in any particular case. And it is this absolute figure which the seller is required by law to show on any settlement invoice or monthly statement issued to a retailer in respect of the sale, and which he must in due course pay to the Crown.

**LIABILITY DECISIONS.**—The following decisions regarding the liability to tax of certain articles are published as supplementary to those already given in Notice No. 78. *Class 4.*—Chargeable at the rate of 33½ per cent.: Bed pans, commode pans, eye baths, urinals. Chargeable at the rate of 16½ per cent.: Feeding cups, medicine measures bearing a "spoon" measure. Not chargeable: Bleeding and poultice basins, gallipots, spitting mugs. *Class 5.*—Chargeable at the rate of 33½ per cent.: Eye baths, urinals. Chargeable at the rate of 16½ per cent.: Feeding bottles, feeding cups, medicine measures and tumblers bearing a "spoon" measure, jugs, plain or bearing a domestic graduation (e.g. pints), spitting flasks. Not chargeable: Breast relievers, douches, douche nozzles and douche-can glasses, ear, eye and medicine droppers, mortars and pestles, nipple shields, poultice basins, trays (surgical dressing), atomisers and sprays (other than toilet articles), inhalers, irrigators, syringes, vaporisers.

The Treasury has recently given notice that it proposes to make an order under section 20 of the Finance (No. 2) Act, 1940, dealing with certain drugs. The goods proposed to be dealt with are the drugs specified in the list set out in the Treasury notice of September

17, 1940 (*C. & D.*, September 21, p. 147), as being essential drugs of an exceptionally costly character, and certain drugs and simple preparations added to that list pursuant to representations made in response to that notice. It is proposed to give such directions as will secure that any of those goods which may not fall within the existing exemption shall cease to be chargeable with purchase tax, and that the tax shall become chargeable at the reduced rate on any other drugs or preparations which may fall within the existing exemption.

**Control of Starch and Dextrin.**—A Starch and Dextrin (Control) Order, 1940, recently issued by the Minister of Food, brings under control dextrin (which is defined as including soluble starch and British gum), all forms of starch, whether made from maize, potatoes, rice, rye or wheat, and all forms of starch and flour made from sago and tapioca, including cassava, manioc and mandioca. It does not affect maize flour, rice flour, ground rice, edible sago and tapioca, and arrowroot. Cornflour comes under the provisions of the Order, which takes effect on January 6, 1941, from which date a permit will be required for all wholesale transactions in starch or dextrin, but not for retail sales of household starch, cornflour and similar products. The new Order revokes the Farina (Control and Provisional Prices) Order.

**Limitation of Supplies.**—The Board of Trade announces that the exemption, under the Limitation of Supplies (Miscellaneous) (No. 5) Order, 1940, from registration in any class of controlled goods for manufacturers whose trade in those goods is less than £100 a month does not apply to persons who commenced the business of supplying controlled goods of their own manufacture after July 23, 1940. Such persons must apply for registration however small their trade. There is no similar provision exempting small wholesalers. All wholesalers, however small their trade in controlled goods, are required to apply for registration in respect of all the classes of controlled goods which they supply to persons who buy for re-sale. The Board of Trade also points out that any transfer of quota under the above Order is invalid unless their prior consent has been obtained.

**Pharmacy Act Prosecution.**—At St. Austell, Cornwall, on December 18, Mr. W. A. Masters, chemist and druggist, Fore Street, was summoned for having sold a poison on unregistered premises while being an unauthorised seller of poisons. Defendant pleaded guilty. For the prosecution it was stated that an inspector of the Pharmaceutical Society had purchased a bottle of syrup of hypophosphites. Defendant should have renewed his registration in January and had been warned but did not reply to the communications. Fees were not remitted until after the summons was issued and then they were insufficient, as he had not forwarded mitigated penalties, and the cheque was returned. Defendant was fined £1 in each case.

**Cost of Living.**—The Ministry of Labour has announced that on November 30 the official cost-of-living figure was ninety-five points above the level of July 1914, compared with ninety-two points at November 1. The rise of three points is equivalent to about 1½ per cent. Since October 21 price increases resulting from the purchase tax have raised the cost-of-living index figure by between 1½ and 2 points.

**Bolton Closing Order Modified.**—Following representations from ten organisations, including trade unions, Bolton Watch Committee has revoked an existing order fixing the closing hours for shops. A new order, to take effect on January 12, fixes the ordinary closing time at 6.30 p.m. and the Friday and Saturday time at 7 p.m.

**Dance at West Ham.**—A dance in aid of the Pharmaceutical Society's Benevolent Fund is being organised by the West Ham and Eastern District Association of Pharmacists, to be held on Thursday, January 9.



## IRELAND

**Export Restrictions Removed.**—The Eire Government has given notice that licences for the export of medicines, surgical dressings and surgical instruments are no longer necessary.

**Medicinal Herb Growing Urged.**—Cork Chamber of Commerce has been supplying names of purchasers of medicinal herbs to inquirers in Cork, Dublin, Belmullet, Gorey, Glandore, Mallow, Drinagh, Thomastown, Glencairn, Fermoy, Cloyne, Quilty, Doneraile and Dunleer. In the opinion of the Council a valuable native industry can be developed.

**Diphtheria Serum Discovery.**—At a meeting of the Royal Academy of Medicine in Ireland, held at the College of Surgeons recently, Doctors R. A. Q. O'Meara, Skibbereery, co. Cork, and C. J. MacSweeney, Dublin, gave details of the discovery by the former and trials by the latter of a new serum for the treatment of diphtheria. Dr. O'Meara had found that the toxin used in the production of commercial serum did not reproduce in animals a condition comparable to the severe clinical diphtheria affecting human beings. When he added toxin obtained from Gravis strains isolated in the hospital, he was able to reproduce in experimental animals conditions closely resembling those found in severe diphtheria. The new factor he called Anti-B. substance.

**Irish Drug Association.**—Mr. P. F. McGrath (president) was in the chair at a meeting of the committee of the Irish Drug Association on December 16. It was announced that three non-chemist price-cutters in the Dublin district, who had been reported to the Proprietary Articles Trade Association, have had their names placed on the official stop list. Leakages of approved lines were discussed, and it was agreed to communicate further with certain manufacturers who are believed not to be adhering to their agreement with the Association. Evans Sons Lescher & Webb (Ireland), Ltd., reported that efforts had been made to induce them to confine the distribution of Pirevan to veterinary surgeons, and the secretary was instructed to communicate with the Department of Agriculture protesting against this attempt to restrict trade that is normally a chemist's. The annual meeting of the Association is to be held on Monday, January 13, 1941. At 8.30 p.m. on January 8 a meeting of assistants, apprentices, chemists, and others connected with pharmacy will be held at 9 Cavendish Row, Dublin, to inaugurate a chemists' rugby team. Members are requested to draw the attention of employees to the time and date of the meeting.

**Benevolent Fund Dance.**—Despite war conditions the committee responsible for the annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland, held at the Gresham Hotel, Dublin, on December 11, were rewarded with a most successful function. Pharmacists and their friends in Dublin and district turned out in large numbers, over 500 couples being present. Mr. C. J. Staunton was M.C. There were spot dance prizes, and a raffle for a Christmas hamper.

## TOPICAL REFLECTIONS

**The Past Year.**—In distant retrospect the past year may seem less oppressive than it at present appears to those engaged in the commerce of drugs. Our sympathies go out in the first place to chemists whose businesses have been brought to a standstill by enemy action, with the resulting upheaval of ordered life. Beyond them is the larger number of proprietors conducting their daily transactions amid many harassing circumstances and without any sign of early amelioration. The exactions of the Prices of Goods Act and of the purchase tax and compulsory restrictions on supplies have together made the carrying on of business a hazardous venture calling for great vigilance and frequent spells of overtime. It is obvious that collective organisation is of limited value in this matter, for much of the strain must in any event fall—and indeed has already fallen—on individual owners and directors. Several adjustments in the specifications of the British Pharmacopoeia and its Addendum have come into force during the year, and will need careful attention from pharmacists who handle the substances specified in them. Vigilance in public affairs so far as they affect pharmacy will, it may be hoped, prevail at the headquarters of our representative national organisations throughout the year just begun. And when we have made provision for our own outgoings we shall do well to remember the men and women in the calling who need help in their day of misfortune.

**Treatment of Burns.**—Your abstract of the latest medical views on the treatment of burns (*C. & D.*, December 28, p. 344) takes this important subject a stage further. By a coincidence each of the weekly medical journals published in London had in the same week an article setting forth recent developments in surgical technique in the handling of serious lesions arising from burning. One is startled for a moment to read the unanimous opinion of the speakers at a Royal Society of Medicine meeting that tannic acid as an application for burns on the face, hands or feet, should be abandoned; but knowledge in such matters does not remain a fixed quantity. The history of this medication and its successors in treating burns will one day make an interesting chapter in the history of medicine. In 1925, E. C. Davidson, an American surgeon, recommended a method based on the application

The representative attendance included the Lord Mayor of Dublin (Mrs. K. Clarke); Mr. P. C. Cahill (president, Pharmaceutical Society of Ireland) and Mrs. Cahill; Mr. John Gleeson (vice-president); Sir Thos. Robinson (a past president), and Lady Robinson; Mr. P. F. McGrath (president, Irish Drug Association) and Mrs. McGrath; Dr. P. F. O'Connor, Dr. and Mrs. J. J. Mackey, Dun Laoghaire; Dr. Kevin Mellett; and Messrs. K. Donnelly, B.D.S., P. Scott and T. Scott; Mr. and Mrs. S. M'Cauley; Mrs. T. Gleeson; Mr. and Mrs. P. J. Fullam; Mr. and Mrs. P. Fox; Mr. and Mrs. E. T. McCarron; Mr. and Mrs. Noel Buddy; Mr. and Mrs. Eoin Duffy; Mr. and Mrs. B. T. Walsh; Mr. and Mrs. C. J. Staunton; Mr. and Mrs. G. Dempsey; Mr. and Mrs. Kevin; Mr. and Mrs. J. Doherty; Mr. and Mrs. Halfpenny; Lieut. Bates; Miss E. Malone; Mr. and Mrs. K. Somers; Mr. and Mrs. J. Moran; Mrs. E. O'Connell; the Misses K. Dunphy, C. Heneghan, K. Heraty, P. Brennan, J. Murphy, M. Mulvey, M. O'Shea, K. O'Shea, M. Cahill, M. C. Fox, N. McDarby, N. Dillon, E. Burke, P. and B. Tunney, F. Smith, T. Scott, B. Dillon, M. Frayne, R. Malone, B. Comerford, M. Mooney, J. McMahon, P. Goggin, M. O'Farrell, L. Bates, M. Bracken, M. McCartney, N. McAllister, L. Gramleigh; and Messrs. G. O'Brien, D. Murphy, J. T. Foley, J. J. Maguire, A. Kerrigan, J. McCormack, J. F. Kerr, J. J. O'Sullivan, P. Lalor, T. B. O'Sullivan, P. Harris, B. McNamara, B. McAllister, S. Savage, D. Burke, V. Tully, M. Leonard, P. Comerford, T. J. Gallagher, W. Penderville, J. Ryan, J. W. and F. J. Tunney, M. O'Connor, J. T. Foley, J. O'Shea, J. Manley, S. O'Farrell, and D. Murphy. The Committee which organised the dance consisted of Messrs. F. J. Roche (chairman), P. C. Cahill, T. Larkin, C. A. Collis, T. B. O'Sullivan, C. J. Staunton, J. Gleeson, P. Lalor, T. J. Gleeson, D. Murphy, P. C. Redmond, G. C. O'Neill, B. Smith, P. Crowley, Mrs. K. Somers; and the Misses M. C. Fox, P. Morris, K. O'Shea, M. Heraty, and M. Lawlor.

## SCOTLAND

**Pharmacist's Part in War Weapons Week.**—Mr. A. G. Adamson, M.P.S., Treasurer of Kirkcaldy, is taking a leading part in organising a War Weapons Week to be held locally in the near future.

**St. Andrews Chair of Chemistry.**—Pride in the chair of Chemistry at St. Andrew's University was expressed by the vice-chancellor (Sir James Irvine), when he outlined its history in a centenary address recently.

**Business Changes.**—Glasgow Eastern Co-operative Society, Ltd., has opened a new drug department at 36 Dalmarnock Road, Glasgow.—Falkirk and District United Co-operative Society, Ltd., has opened a new drug department at 42 Vicar Street, Falkirk.—Mr. William Currie, M.P.S., 43 High Street, Granstown-on-Spey, has disposed of his pharmacy and is retiring from business.

of a 2.5 per cent. aqueous solution of tannic acid by means of sterile gauze pads. Four years later H.M. Stationery Office issued a booklet summarising what was then known of the results of the method. By that time the addition of mercuric chloride to the solution had been tried, and a few other methods had been experimentally introduced. In March 1933 you recorded the use by R. H. Aldrich of a 1 per cent. aqueous solution of gentian violet, sprayed on the skin in the first instance without covering the lesions. Today, as your last week's issue shows, two general methods are favoured, one consisting in outline of the application of solutions of gentian violet, silver nitrate and tannic acid, the other of the application of a mixture of halibut oil, balsam of Peru and soft paraffin. It will be noted that a committee is at work on the problem and will shortly publish its findings.

**Christmas and Health.**—The ailments that often beset us after Christmas are not necessarily due to injudicious feeding. A more reasonable explanation is that they have been staved off in the rush of preparation, commercial, personal or both, for the event, and take their natural course when this pressure is relaxed. A case in point is the experience of Swift during the few Christmas periods covered by his "Journal to Stella." In 1710-13 he was leading a busy life in London, negotiating on behalf of the Irish clergy in general and of certain of his friends in particular, and writing at intervals. The melancholy that underlay his vivacity is no doubt partly accounted for by deficient health, as several entries in the "Journal" suggest. Thus, after Christmas, 1710, he wrote: "My head is not in order, . . . I walk every day, and take drops of Dr. Cockburn, and I have just done a box of pills, and to-day Lady Kerry sent me some of her bitter drink, which I design to take twice a day, and hope I shall grow better." A few days later he added: "I still drink Dr. Radcliffe's bitter." Always observant of "folly as it flies," he entered in his record for that Christmas day: "I tell you a good pun; a fellow hard by pretends to cure agues, and has set out a sign, and spells it *egoes*; a gentleman and I observing it, he said, How does that fellow pretend to cure agues? I said, I did not know, but I was sure it was not by a *spell*."

Xrayser



## PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on December 20, the president (Mr. James Glendinning) in the chair. There were also present the vice-president (Mr. H. F. Moore) and Messrs. J. Trevor Nicholl, C. Abernethy, J. F. Grimes, J.P., James McDowell, John McGregor, W. Martin, Walter C. Tate and Dr. S. E. A. Acheson. The secretary (Mr. D. L. Kirkpatrick) was in attendance.

THE SECRETARY submitted an appeal from the president of the Pharmaceutical Society of Great Britain for the War Aid Fund, and it was agreed to refer it to the Finance Committee.

An appeal from the principal of the Municipal College of Technology, Londonderry, for suitable textbooks on botany, chemistry, physics, pharmacy and pharmacognosy for its library was read, and this too was referred to the Finance Committee.

Greetings were received from the president and Council of the Pharmaceutical Society of Great Britain, the president and Council of the Pharmaceutical Society of Ireland and the president and Council of the Ontario College of Pharmacy, Toronto.

The report of the Finance Committee of December 20 was adopted on the motion of Mr. McGREGOR, seconded by Mr. ABERNETHY.

The report of the Board of Examiners was adopted on the proposal of Mr. ABERNETHY, seconded by Mr. NICHOLL.

On the proposition of Mr. MOORE, seconded by Mr. ACHESON, the seal of the Society was ordered to be affixed to the certificates of thirty-seven candidates who had passed their Final examination.

THE PRESIDENT presented to Mr. Walter C. Tate a replica of the president's badge of the Society, and paid a glowing tribute to him for his work during his two years of office. MR. TATE suitably replied.

THE PRESIDENT conveyed the compliments of the season to the members.

## COMPANY NEWS

### P.C. means Private Company and R.O. Registered Office

J. F. WILLIAMS & SONS (PORT TALBOT), LTD., P.C.—Capital £1,000. Objects: To acquire the optician's and dispensing chemist's business carried on as "J. F. Williams & Son" at 46 Commercial Road, Port Talbot, Glam. Mrs. Elizabeth Williams and Mrs. Elizabeth M. O'Brien, M.P.S., directors.

JOHN CHESHIRE (CASH CHEMIST), LTD. (P.C.).—Capital £1,000. Objects: To carry on business of wholesale and retail chemists, dealers in toilet requisites, opticians, etc. John Cheshire, M.P.S., and Mary W. Cheshire, Kneeton, North Parade, Grantham, directors. R.O.: 63 Wharf Road, Grantham.

SCHOLES (CHEMISTS), LTD. (P.C.).—Capital, £1,000. Objects: To carry on business as manufacturing, pharmaceutical, analytical and dispensing chemists, druggists' sundriesmen, etc. Annie and Jacob Amelan, both of 83 Elizabeth Street, Cheetham, Manchester, and Leslie Dickinson, M.P.S., 1 South Lane, Rochdale, directors. Solicitor: Jacob Amelan, 78 Tib Street, Manchester.

IDRIS, LTD.—Directors' report and audited accounts for the year ended October 31, 1940, show that the net profit, after charging debenture interest and providing for depreciation and taxation, amounts to £17,199, which, with the balance brought forward, £442, makes a total of £17,641. The directors have transferred to reserve, for equalisation of dividends, £2,000, leaving a balance of £15,641, out of which the following payments are recommended: Dividend on A preference shares, 6 per cent., £6,600; on B preference shares, 7 per cent., £700; on A ordinary shares, 10 per cent., £5,000; on B ordinary shares, 10 per cent., £1,800; on founders' shares, 5 per cent., £900; leaving a balance to carry forward of £641. Two directors, Messrs. A. J. Ward and Ivor T. Idris, retire and are eligible for re-election.

**Bankruptcy.**—GEORGE STEPHEN SWAIN M.P.S., 25 London, Road, Peterborough, Northamptonshire, lately carrying on business as a pharmacist. Debtor applied for his discharge from bankruptcy at Peterborough, on December 10. Receiving Order had been made in August 1936, on his own petition. According to statement of affairs filed, the liabilities were estimated at £769 17s., but proofs lodged and probable claims totalled £842. The assets, which were put down at £10, had realised £15 17s., but no dividend had been paid to unsecured creditors. Debtor had commenced trading at Streatham in 1927, and for five years the business was successful, but after 1933 it began to decline; subsequently it was disposed of for £825, but this sum was largely exhausted in settling liabilities. Subsequently he became manager of a business at Peterborough, but, owing to pressure from creditors filed his petition. The discharge was granted, subject to six months' suspension.

## MARRIAGES

Notices for this column must be authenticated

BROWN—SKELLY.—At Belmont House, Glasgow, on December 17, John Howarth Brown, M.P.S., F.B.O.A., 569 Maryhill Road, Glasgow, to Marion McCallum Skelly.

## DEATHS

BISSET.—At Burntisland, Fife, on December 29, Mr. James Bisset, M.P.S., 67 High Street, Burntisland, aged seventy-six. Mr. Bisset entered Burntisland Town Council in 1897 and for fifteen years devoted himself to local government. He was a former Bailie. A member of the session of the local St. Columba's Parish Church, he held the position of session clerk and was a justice of the peace for the county.

DOBSON.—Recently, Mr. Arthur Stanley Dobson, M.P.S., 117 Warbeck Drive, Blackpool. Mr. Dobson passed the Minor examination of the Pharmaceutical Society in 1911.

ELLITHORNE.—Recently, Mr. Harold Cooper Ellithorne, M.P.S., Wellington Road, Oxtou, Birkenhead, aged fifty.

GARTSIDE.—Recently, Mr. Fred Gartside, Station Road, Bamber Bridge, Lancs, aged seventy-one years.

HUNTER.—On December 11, Mr. John Hunter, M.P.S., 8 Castlemilk Crescent, Croftfoot, Glasgow. Mr. Hunter passed the Minor examination of the Pharmaceutical Society in 1911.

## PERSONALITIES

MR. D. E. SPARSHOTT, M.P.S., has been appointed to succeed Mr. W. Lee so far as his duties as supervisor of the pharmaceutical side of the administration of Boots, Ltd., is concerned.

MISS E. B. BLUNDELL (president, South-West London Chemists' Association) has sent out a personal New Year's message to members of the Association, in which she hopes that, while all meetings so far this Session have had to be abandoned, she will be able to meet members at least once before passing from office. She invites information from members who have suffered as a result of the war, and promises a reply to all such correspondents.

AMONG the recipients of New Year Honours conferred by the King are the following of special interest to the drug trade: Brevet-Colonel R. N. Chopra, C.I.E., M.D., Sc.D., F.R.C.P., chairman, Drugs Inquiry Committee for India, 1930-31, and Professor of Pharmacology, School of Tropical Medicine, Calcutta, has been made a Knight Bachelor; the Order of the British Empire has been conferred on Mr. R. Murdin Drake, M.Sc., joint assistant general manager of the Association of British Chemical Manufacturers, and on Mr. Arthur Mortimer, M.P.S., secretary of the Wholesale Drug Trade Association, for services in connexion with civil defence; and the M.B.E. has been conferred on Mr. A. B. Gilmour, M.P.S., superintendent, Central Checking Bureau, National Health Insurance Pharmaceutical Services, and Clerk to the Drug Accounts Committee.

MR. WILLIAM LEE, M.P.S., a director of the subsidiary companies and member of the Executive Committee of Boots, Ltd., retired on December 24 after being connected with the company for thirty-eight years. He qualified in 1903 and was manager of branches in Nottingham and Southend. He then became a Territorial General Manager in the London area, finally assuming control of the whole of the shops in this district. In 1932 he was appointed to supervise the pharmaceutical side of the retail administration of Messrs. Boots, having previously been made a member of the Executive Committee. He was also a member of the Central N.H.I. Committee, the War Emergency Committee of the Pharmaceutical Society, the Nottingham Pharmaceutical Service Subcommittee, and the Nottinghamshire Insurance Committee and pharmaceutical service subcommittee. He was personally known to a great many of the retail staff of Messrs. Boots, who will remember him by his friendly help and consideration at all times.

## RECENT WILLS

SIR JOSEPH JOHN THOMSON, O.M., Professor of Physics in the University, formerly Cavendish Professor of Experimental Physics, Cambridge, president of the Royal Society, left estate of the gross value of £82,602, with net personality £83,249.

MR. JOHN EXLEY WORMALD, of Whithill House, Illingworth, Halifax, chemist and druggist, who died on September 13, 1940, left £9,692 gross, with net personality £8,156. Among other bequests he left £10 10s. to the Pharmaceutical Society of Great Britain.

MR. MOWBRAY TRENTAM MAW, Shrub Hill, Calvert Road, Dorking, Surrey, formerly of 7-12 Aldersgate Street, London, E.C., and The Gate House, Nutfield, Surrey, of Maw Son & Thompson, chemists' sundriesmen, who died on September 12, 1940, son of the late Charles Maw, left estate of the value of £22,787, with net personality £22,642.



## NEW YEAR GREETINGS

**I**N response to our invitation the presidents or chairmen of the professional, industrial and commercial organisations representing the many sections of the pharmaceutical chemical and allied trades have favoured us with New Year Greetings. Some of these are intended for the members of particular societies; other messages of goodwill are addressed to the trade generally. Collectively, they reflect strength and a confident outlook for the coming year, with the trade determined to continue to play its not unimportant part in the present struggle and to take its place of service in the better times that are to come.

### The Pharmaceutical Society of Great Britain

A few months hence the Pharmaceutical Society will be a hundred years old and the threshold of the centenary year provides an opportunity for reflection and anticipation.



Mr. W. DEACON

Reflecting as pharmacists we get inspiration from the thought that the early pioneers like Jacob Bell, William Allen and others achieved because they were endowed with vision and courage; and the Pharmaceutical Society today is a living proof. We hope to mark the hundredth anniversary of our foundation by a service of thanksgiving to be held in St. Clement Danes Church, which in spite of enemy onslaught from the air still stands facing the site of the "Crown and Anchor" Tavern so memorable in the history of our craft.

Although the past year has been a bitter testing time to us as a nation it has been a wonderful year in our history, wonderful because it has revealed courage, the power to endure and the will to conquer. I am conscious that pharmacy and the Pharmaceu-

tical Society are faced by many difficult problems intensified by conditions common to the times, but I am certain of the ability to face them successfully just as we as a nation are confident of ultimate victory; and I see projected from the past history of our Society the spirit of encouragement, therefore I want to express the hope that the same forces which inspired our leaders in the beginning will be the forces to help us carry on during the coming year, namely, vision, co-operation and courage.

Walter Deacon,  
President.

### The Scottish Pharmaceutical Federation

The business day of the chemist and druggist is full of worries, of upsets and of harassments. He has difficulty in keeping pace with the changes and the dangers which threaten him. The Purchase Tax, the Prices of Goods Act and the Limitation of Supplies Order annoy him and disturb his customers. He wonders what next will happen to endanger his livelihood and disturb the even tenor of his ways. A picture of gloom and despair could easily be painted but it would be a short view and the wrong outlook. To get the true aspect, one must study a large atlas, think of the difficulties which have already been surmounted and consider the chances which our enemies have missed.



Mr. J. WEIR

The future is full of promise and of hope. Mussolini is in trouble and Hitler feels that there is something coming to him. Meantime the British peoples are gathering strength and our young men are ready and eager. These young men will not let us down. The post-war period will bring great changes and yet we need not fear these changes. Life in these Islands may not be so easy but it will be just as pleasant. The happiest people are not those who have the most leisure. Smile then and laugh with your customers. Great days are in store for our Islands. Happy years lie ahead for our children and their children. There is work to do, so let us get on with it. Victory and Peace may bring great blessings to our country in 1941.

John Weir,  
President.

### The Pharmaceutical Society of Ireland

May I take this opportunity of wishing all members and licentiates of the Pharmaceutical Society of Ireland every happiness and prosperity during 1941. To our colleagues in Great Britain and other countries I wish, on your behalf, to extend our sincere sympathy and to express the hope that the present ordeal will soon be but a memory. On behalf of the Council I desire to thank all our members who, in one way or another, responded to the Government's call last June. Chemists have been to the fore in local security work, Red Cross, A.R.P., and other emergency organisations. Dublin chemists have offered their pharmacies as Emergency First Aid depots to the authorities and this offer has been gladly accepted by the City Manager and First Aid authorities. Our Red Cross lectures have been a tremendous success and in Dublin alone over eighty licentiates have qualified for certificates. We have, thank God, so far escaped active participation in the war, but the danger still exists and it behoves every one of us to be unceasing in our efforts to maintain the present position in our country. Business to-day is a worrying and full-time occupation, but I would still appeal to members to play as prominent a part as possible in national organisation work. We are by training and experience well fitted to accept responsible executive positions and in doing so will not only be assisting the national cause but will, in addition, help to give pharmacy a strong voice in the affairs of the nation. In conclusion, may I thank you, Mr. Editor, for your kindness in permitting me to send a Presidential message to my friends.

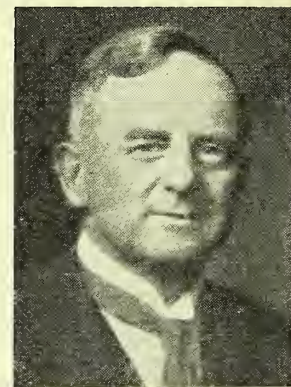


Mr. P. C. CAHILL

Patrick C. Cahill,  
President.

### The Worshipful Society of Apothecaries of London

As the Master of the medical body that has for three hundred years had the closest touch with the profession of pharmacy, I welcome the opportunity of sending a message for the coming year to all those who help us doctors by the discovery, the provision, or the distribution of drugs to aid in our age-long war upon ill-health. With the development of chemotherapy these are daily taking a larger part in our work and there will always be much to be done by the research and pharmaceutical chemist. But it is with the pharmacist that we doctors must daily work in closest harmonious touch if we are to do our best for all sick people. The younger members of both professions are swept into the struggle of today. It is for us seniors to look to the eternal struggle with disease, and to think of the future so that when the war of today is over we may be ready to adapt ourselves to the great changes that must come in the practice of both our professions. There are those who would sweep all doctors into a State service; if they do, the pharmacist will come too. I hope that this will be avoided, for I believe that independence and struggle best give that elasticity which medicine needs; but we must foresee a greatly increased service under the State. An increased number will take whole-time service; and, with few exceptions, all will take a part-time service. The extension of National Health Insurance will bring all branches of practising doctors into it, and its application to the wives, the children, and the other dependants of the worker will greatly increase the work under the State that is already done. The development of our hospital system as a result of the 1929 Act of the late Mr. Neville Chamberlain has only just begun. An increase of the tuberculosis service, the formation of a national cancer service, and perhaps of one for rheumatism are among the things to come. How can we so adjust our methods and our lives that, without undue upheaval, we may be efficient in this new world of medicine? This is a question to which we must steadfastly hold our minds and in doing so keep two things in view. Everything that we do must be for the benefit of the people, even though for a time it seems to



Mr. T. B. LAYTON, D.S.O.,  
M.S. (LOND.)



our disadvantage. We are the servants of the people in the interests of their health and in our organisation of a new world of health services we must think not only of our two selves but also of all those other workers in the cause of health that today make up our army against disease.

T. B. Layton,  
Master.

### The Pharmaceutical Society of Northern Ireland

You have asked me as President of the North of Ireland Pharmaceutical Council to say a word. Well, we chemists in Northern Ireland sympathise very sincerely with our *confrères* in England and Scotland who have borne the brunt of the onslaught, and with those wholesale Houses who have served us for so many years for the trouble which has fallen on them. It may be our turn tomorrow, but I know that your brothers in Northern Ireland will pray that with God's help they may acquit themselves with the same fortitude and resolution as you across the water have done. We take off our hats to England and Scotland. So far our Gethsemane has not arrived.



MR. J. GLENDINNING

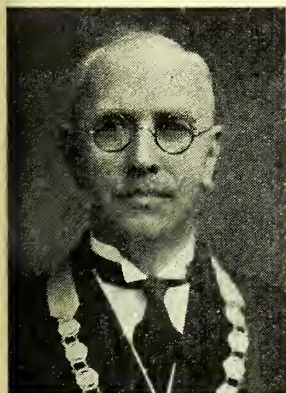
all wish British pharmacists a happier 1941.

Yours faithfully,

James Glendinning,  
President.

### Chemists and Druggists Society of Ireland

Fellow chemists and members of the drug profession, "Greetings." We are entering upon a momentous year and may it bring to us all victory and peace. Let us face it with a courage and determination to surmount all the difficulties and the many problems that will arise. Spare a little sympathy for our brothers who have been unfortunate in that they have been hit by the war. The members of the drug trade, retail, wholesale, and manufacturing, have never been up against such a position as we are experiencing today. The various restrictions and regulations we are facing will have to be met. Let us approach these in a helpful spirit, feeling we must do our best and that it is our contribution to the war effort. Remember, we are fighting for a great cause, "Democracy," and right to live and work as a free people. Let us hope that the effect of this war will be, that it will bring out the best that is in us.



MR. F. STOREY

I look forward to a greater co-operation between retail, wholesale, and manufacturers, with a kindly approach and mutual understanding to each other's difficulties. Conditions at times may appear dark and gloomy but there is always a dawn. So let us all look forward to the future with hope, confidence and courage, believing that right is might and follow the superb example set by our beloved King and Queen.

Fred. Storey,  
President.

### The Association of British Chemical Manufacturers

The opportunity you have been good enough to afford me as chairman of the Association of British Chemical Manufacturers to send a New Year message to your readers is much appreciated. During the past year the chemical industry in the United Kingdom has, I believe, played its full part in the national effort. The New Year must see that effort intensified.

Success in warfare depends in large measure on the efficiency of the chemical industry upon which the combatant is able to draw, so that to us has been given an important part and on our shoulders rests a heavy responsibility. The strength of our enemy in the chemical field must not be underrated. We believe in our ability to fulfil our

trust, but shall only succeed if we put forth our utmost effort and couple with it unceasing vigilance.

We are starting the New Year in good heart and with solid reasons for confidence. The Association has placed its services fully at the disposal of the Government and its organisation continues to function from 166 Piccadilly, London, W.1, whence I send this message of good cheer to all our friends and connexions throughout the world.

R. Duncalf,  
Chairman.

### Proprietary Articles Trade Association

Every year brings its difficulties and 1941 will probably be no exception, but as in the past the Proprietary Articles Trade Association will rise to the occasion. Its competent secretary and his loyal staff will spare no pains to maintain the principles of price protection which have been carried out so efficiently in the past. The tripartite nature of its Council ensures fair dealing between the three sections of the trade, and the strength of the organisation depends upon the co-operation of manufacturer, wholesaler, and retailer alike.

The recent work in connexion with price revision due to the purchase tax has been arduous, but when the 1941 Year Book is published, it will be acknowledged that the work has been done well and in accordance with the best tradition of the Association.

Owing to the Limitation of Supplies Order, stocks of some protected lines will be short in the future, but this will no doubt have an adverse effect outside the trade more than within, and will ultimately be the means of closing many "cut-price" shops.

In addition, when present stocks have been disposed of, prices will become stabilised, and the price protection policy of the P.A.T.A. will once more assume its rightful place in the ranks of pharmacy. I therefore look forward with confidence to 1941, convinced that the good work of the Association will be as successful as in the past, and I appeal to all branches of the trade to support the P.A.T.A. both loyally and to the best of their ability and thus bring success to each section of our calling.

Henry H. Marshall,  
President.

### The National Pharmaceutical Union

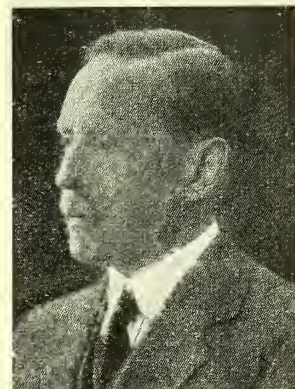
I gladly avail myself of the opportunity, provided by the Editor, of addressing a message to the trade through the medium of THE CHEMIST AND DRUGGIST. We of the Executive of the National Pharmaceutical Union have fully realised that the year 1940 has been a very difficult one for all sections of the trade. The various regulations and restrictions improvised in the national interest, have been a big strain on the patience and perseverance of all concerned. The time and labour involved in adjusting business to the new circumstances have been great, at a period when most were working at full pressure under war conditions. On behalf of the retail section, I would express our appreciation of the efforts of the large majority of manufacturers and wholesalers in grappling with these newly-devised provisions, in order to maintain the best possible service under abnormal conditions.

During the year, it has been the ambition of the Executive and staff of the N.P.U. to maintain, as far as possible, normal services. Some curtailment became inevitable in the administration of the clearing house, through depletion of the specialised staff engaged on this work.

To manufacturers and wholesalers we express regret for some unavoidable delay in making the usual prompt monthly settlements, and for the necessity of temporarily deleting from the list the names of many firms which had hitherto participated in the clearance.

The new enactments referred to have thrown an immense amount of extra work on our staff, but every effort has been made to keep members up to date with all relevant information. Furthermore, to provide cover and assistance for those members and non-members of the Union who otherwise would be suffering great hardship, close vigilance was necessary. Quick decisions and swift action were taken to provide for such contingencies, and I am confident that the members of the Union will desire to place on record their appreciation of the efforts of the staff, from the secretary downwards, in working out these schemes for helpful assistance. The best means of expressing our gratitude is to participate in the measures provided and to contribute as generously as possible to the War Distress Fund.

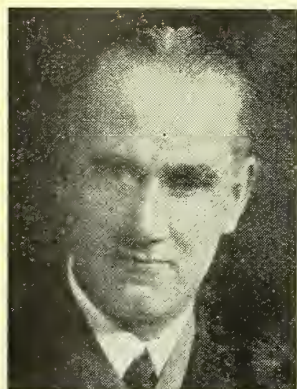
J. Hearle,  
Chairman.



MR. H. H. MARSHALL



### The Wholesale Drug Trade Association



Mr. C. A. HILL

Gladly do I accede to your request for a New Year Message, and I address it to all British pharmacists in whatever capacity they may be engaged or have been engaged, for I include those retired, whether the retirement be from choice or compulsion.

The message is to live ever in the future as well as in the present, confident that by continuing our efforts in the coming year, not daunted by difficulties but ready to accommodate ourselves to changing conditions, each week will bring us nearer to the re-establishment of sanity in this world of ours. In that hope I send to you all my sincere wishes for your welfare in the New Year.

*Charles Alex. Hill,*  
Chairman.

### The Association of Manufacturing Chemists

With great pleasure I avail myself of the opportunity, you have kindly given me, to express to your readers sincere good wishes for their spiritual, bodily and material welfare throughout the year 1941. There may be some of a suspicious turn of mind, to whom greetings from the Association of Manufacturing Chemists may be reminiscent of the conversation between Little Red Riding Hood and the Wolf. To them I wish to offer an assurance that our ideals are to overcome difficulties, to preserve assets and to resuscitate life, whenever there is hope of success. I trust that during the New Year human efforts to destroy life and property will cease, that a new era of endeavour to preserve and rebuild will begin and that the A.M.C. may be able to play a humble but humane part in the work of reconstruction and sympathetic help.

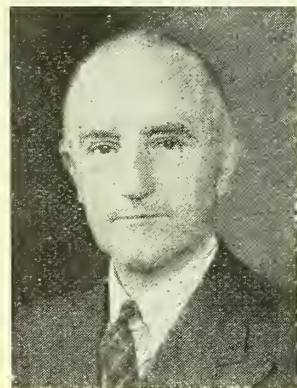
*J. Stuart Hills*  
Chairman.



Mr. J. STUART HILLS

### The Drug and Fine Chemical Manufacturers' Association

It is not easy to write with enthusiasm of the passing of 1940, which has been a year of great difficulty and serious restriction in the drug and fine chemical industry, but outside great things have been accomplished in the national field which justify a most welcome optimism in looking forward to the New Year upon which we have just entered.



Mr. G. GOODMAN WHIFFEN

As the principal officer of an organisation, which, in conjunction with a group of trade unions, regulates labour conditions in the drug and fine chemical industry, it is appropriate that my New Year's greeting should be not only to my fellow employers but also to those workers in our factories whose co-operation has done so much to lighten the burden we carry. The family ties of many of them have been broken. Many come from devastated homes, yet cheerfully and unhesitatingly have they sacrificed holidays, leisure, and many a hard-won privilege, to help to liberate the world from

the bondage which threatens it.

Although "the winter of our discontent" is not yet over, assured that such loyal service rendered under adverse conditions will be accorded as spontaneously in 1941 as in 1940, with confidence and hope I enter on the New Year. With the certitude of happier and more prosperous days to come, to employers and employed alike, I send my best wishes and sincerest greetings.

*G. Goodman Whiffen,*  
Chairman.

### The Proprietary Association of Great Britain

It is in a spirit of sober confidence that we stand on the threshold of the New Year, fortified by the knowledge that we have successfully countered the vicissitudes by which we have been confronted during the past twelve months. Totalitarian warfare has wrought many changes on the domestic front and a number of measures which it was deemed necessary to impose have exerted an incisive effect on the course of business, but apart from a modicum of grumbling—as is our privilege as freemen of an Empire championing the cause of liberty—we have adjusted ourselves to the new conditions. It is this spirit of co-operation loyally directed by one and all towards the one aim that ensures our victory.

Within the especial sphere of its own activities each branch of the pharmaceutical family makes its contribution in service to the welfare of the nation, and in this they merge in one common aim. Pharmacy, embracing the manufacturer who provides the therapeutic weapons wherewith to combat disease as well as the practising exponent of the art, is entrusted with the noble task of assisting effectively in the maintenance of health. In the realisation of this high ideal there should be no cleavage of views dictated by minor considerations of policy, since, fundamentally, the interests of the separate branches are essentially complementary and in no respect whatever antagonistic.

Towards the furtherance of our common aims may the New Year bring us together in closer co-operation, and while actively engaged in defeating the external enemy, let us as men of goodwill strive successfully to consign to oblivion any divergence of opinion which may have disturbed our harmonious collaboration in the past.

*G. M. Garcia,*  
Chairman.



Mr. G. M. GARCIA

### Perfumery and Toilet Preparations Manufacturers' Section of the London Chamber of Commerce

In the historic times through which we are passing, times which have brought hardship and suffering to many and tragic occasions of personal grief to some, the conventional New Year message seems sadly out of place. The commencement of another year is not, however, a time to look back on our sacrifices and losses, but an opportunity to look forward to the future, knowing that we can do so with confidence in Britain's cause.

On behalf of the manufacturers of perfumery and toilet preparations, therefore, I send cordial greetings to all our friends, chemists and others in the distributive side of the trade with our sincere hope that the time may soon come when sanity will be restored to the world, bringing with it the resumption of normal trading conditions for us all.

*T. Lyddon Gardner,*  
Chairman.



Mr. T. L. GARDNER

### The Incorporated Society of Pharmacy and Drug Store Proprietors of Great Britain

I gladly accept the invitation to send a message to the members of our Society through the medium of *THE CHEMIST AND DRUGGIST*. The first thought that is uppermost in the minds of everybody in this country today is the war and the conditions under which we are living at the present time. I am sure that every one of you will hope and pray that before a further twelve months is passed the present conditions will have vanished for ever. I therefore send to you all a message of good cheer in the hope that wherever your lot may be cast in this struggle you will not fail to do your duty and that you will do all you can to uphold the traditions of a Britisher and pull your weight in the struggle. I know that all the members of the Society have suffered during the past few years. I am hoping that when circumstances do allow, those



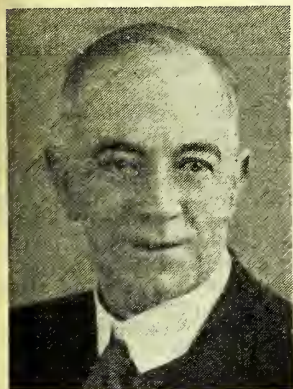
in authority who have the control will realise that they owe at least something to an inoffensive hard-working minority.

I hope that all our members and friends will co-operate with us in the future as they have done in the past, and I take this opportunity of wishing them the Season's Greetings and all the happiness that it is possible to obtain in the coming year.

*I. Eskriett,*  
President.

### The Surgical Instrument Manufacturers' Association

The Surgical Instrument Manufacturers' Association convey, on behalf of their members, to the readers of *THE CHEMIST AND DRUGGIST* their very warm wishes for prosperity and happiness throughout the ensuing year. The British surgical industry is a skilled handicraft and has, during the past few years, been doing its utmost to cope with the demands due to national interests. This task would have been easier if those good resolutions formed during the last war to purchase no foreign surgical instruments had been remembered and carried into effect in the uneasy years of 1919 to 1938. The industry feels that this lesson has now been driven well home and trusts there is no need to add one word on the subject, as by now it is quite obvious that reliance for surgical supplies on even potential allies, is a poor substitute for the patriotic support of the sturdy British craftsman.



MR. H. GUY DREW

They are glad to have this opportunity of publicly thanking the officials of the industry who so ably and courteously have helped them during the past year. This help has not only been extended to us in trying to unravel the coils of the Purchase Tax and other Acts of Parliament, but in other spheres of activity.

In conclusion may we express our sincere wish that in the forthcoming year none of the readers of your journal will be unfortunate enough to personally require any of the products of our industry and reciprocally that none of our members will seriously require any of the products of the pharmaceutical chemicals industry.

*H. Guy Drew,*  
Chairman.

### The Photographic Dealers' Association

As President of the P.D.A. I should like first of all to send my warmest "New Year's Greetings and all Good Wishes for 1941" to the members of our Association.



MR. J. PATERSON

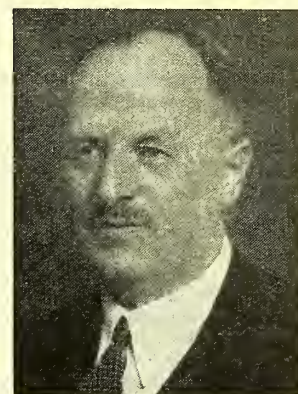
I am quite sure we all hope that this year will bring us victory and a return to more normal trading. Perhaps before trying to forecast business to be done in 1941 it would be profitable to spare a thought to the year just gone. I think many will agree that business stood up well in spite of prevailing conditions. The restrictions placed upon the trade were very much magnified and here our Association was able, early in the season, to help with the poster campaign, with the slogan, "Use Your Camera." The Council have worked consistently during the year to ensure that every possible angle that would improve the lot of members should be placed prominently before both the Government and the manufacturers.

To look ahead, the restrictions and quotas are going to give us all a trying time. The larger dealers may not be able to get the required apparatus to continue their business as in former years. It will be necessary for them to try and secure all the exchange business that it is possible to pick up. The smaller dealers are in a somewhat happier position as in all probability there will be sufficient films and cheap cameras for them to carry on. Holidays must be a feature of this year and with money fairly plentiful that should ensure the sale of films and keep up D. and P. A strong Association is essential for the welfare of the trade not only to ensure that every dealer shall have expert advice and protection through what may be a difficult year, but also when victory comes to be able to tackle post-war problems.

*J. Paterson,*  
President.

### British Brush Manufacturers' Association

I am very glad to have this opportunity of sending a message of goodwill to our friends in the pharmaceutical trade on behalf of brush-makers. It is not necessary to stress the difficulties under which we are working at the present time, but it may be desirable to point out that toilet brushes will not always be available in the unlimited quantities and wide range of the past. This is due in the first place to very large Government requirements and secondly to the fact that the export trade must, of necessity, have preference over the home trade for the time being. The Brush trade, in common with many others, is endeavouring, and with considerable success, to increase its exports to the limited number of overseas markets now available. This is a duty in the national interest at this time, in order to help pay for our vital imports of food and munitions. I am sure, however, that our many customers will realise the difficulties and make allowances, if brushmakers cannot now give as good service as they did before the war.



MR. C. F. MERRIAM

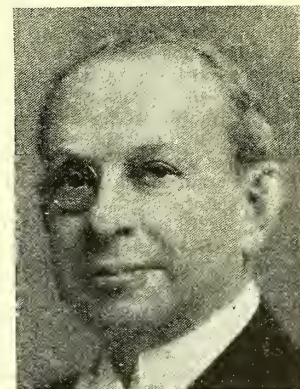
*C. F. Merriam,*  
President.

### The British Chemical and Dyestuffs Traders' Association

In accepting the Editor's invitation to send a New Year's message to the trade I have one thought in mind which I know will be shared

by all and that is that we must carry on our part in the nation's business at all costs. Merchants are contributing an important service to the country by maintaining the distribution of raw materials. Many are conducting an equally important export trade and helping to create new markets for a wide range of British chemical products and all sections of the trade are rendering efficient service to the consuming industries under abnormal conditions.

Chemical merchants have already demonstrated that essentially British characteristic of adaptability and no words of encouragement from me are needed to inspire the continuation of that special effort which is so necessary from us all if those forces working for victory and freedom are to meet with a speedy success. We can enter into the spirit of the New Year happy in the knowledge that just as we have overcome difficulties in the past, so we shall undoubtedly surmount all future problems.



MR. V. BLAGDEN

*Victor Blagden,*  
President.

## TRADE-MARK APPLICATIONS

(From "The Trade Marks Journal," November 20, 1940)

- "EMBM"; for infants' and invalids' foods, and ointment for treatment of eczema, piles, abscesses, etc. (5) (IV). By E. H. Beckett, 7 Wyre View, Knott End-on-Sea, Lancs. B612,246.
- "MACALVIT" (device of a tree); for pharmaceutical preparations, disinfectants, etc. (5) (IV). By Sandoz Ltd., 60 Fabrikstrasse, Basle, Switzerland. 611,478 (Associated).
- "DISTOLEN"; for antiseptics, medicines, etc. (5) (IV). By W. J. Rendell Ltd., 161-165 Roseberry Avenue, London, E.C.1. 612,542.
- "RACHITEVAN"; for medicinal preparations for treatment of rachitis (5) (IV). By Evans Sons Lescher & Webb Ltd., 56 Hanover Street, Liverpool, 1. 612,588.
- "SALICETA"; for medicated preparations containing aspirin (5) (IV). By E. G. Hughes, Ltd., Peru Street, Adelphi, Salford, Manchester. 612,850.
- "CESTAROLN"; for veterinary substances (5) (IV). By May & Baker Ltd., 42/43 St. Paul's Churchyard, London, E.C.4. 612,944.
- "AR-MO"; for optical apparatus and instruments (9) (IV). By C. Frank, 67 Saltmarket, Glasgow. 612,109.
- "MINIDEX"; for albums or files for films (16) (IV). By F. H. Doulton & Co., Ltd., 73/75 Minories, London, E.C.3. 612,680.
- "PLOFILM"; for caps and closing strips for bottles, jars, and the like, etc. (17) (IV). By The Goodyear Tire & Rubber Co., 1144 East Market Street, Akron, Ohio, U.S.A. 608,610 (Associated).

REGISTERED USERS OF REGISTERED TRADE MARKS  
Specification No. B581,359 for toilet preparations by B. May, 49 Old Bond Street, London, W.1.



# PRESCRIBING UNDER NATIONAL HEALTH INSURANCE

In an article, of which the following is an abstract, dealing with prescribing under the National Health Insurance Acts ("British Medical Journal," December 28, p. 59), Dr. E. L. Lilley discusses first the advantages or otherwise of a national formulary. While the use of a formulary tends to stereotype prescribing as to both the drugs ordered and the quantities, it is a fact that in many diseases—for example, influenza or measles—no marked individuality of treatment is required. When the National Health Insurance Act came into force in England there was no National Formulary. The Act laid it down that the patient must have free choice of pharmacist, and formulas arranged between a particular doctor and a particular pharmacist were thus ruled out; the doctor was also precluded from using the term "rep. mist." Local formularies cropped up, but this only led to confusion, especially where two areas met and the meaning of a prescription differed according to the side of the road on which it was written. The position became intolerable. The National Formulary, when introduced, was adopted almost universally in England and Wales. The principle laid down was that when any considerable body of medical opinion in any part of the country demanded a given formula, that formula must be included unless there were serious pharmaceutical objections. There were many prescriptions the subcommittee would gladly have excluded.

The chemist receives the cost of material together with a profit and a dispensing fee. On the whole the dispensing fee is higher in Scotland than in England, for in England it is reduced for standard pills, tablets, etc., which the chemist buys ready-made. It should be noted that the fee is per prescription, not per form, so that an order for medicine, liniment, and tablets would carry three dispensing fees.

**Polypharmacy.**—By far the commonest doctor's prescription is for a mixture, and a doctor should first estimate for how long it is likely to be required. Thus a supply to last one or two days only will probably be required of a mixture containing chlorodyne and bismuth for acute diarrhoea; a larger amount would be uneconomical. On the other hand, for the chronic dyspeptic a 12-oz. bottle with  $\frac{1}{2}$ -oz. or 2-dr. doses may be much more economical, because the dispensing fee is relatively less. Thus for a mixture containing acid. hydrochlor. dil.  $\mathfrak{M}$  10, inf. gent. co. conc.  $\mathfrak{M}$  15, chlorof.  $\mathfrak{M}$   $\frac{1}{2}$ , aq. ad  $\frac{1}{2}$  oz., forty-eight  $\frac{1}{2}$ -oz. doses in three 8-oz. bottles would cost 2s. 3d. with dispensing fees. If it were ordered double strength, forty-eight 2-drachm doses in a 12-oz. bottle, the cost would be 11s. 6d. Symptomatic treatment leads to polypharmacy, which is of no benefit to the patient; often one drug is added to counteract the undesirable effects of another. One practitioner often had patients for many weeks on compound bismuth powder and, concurrently, liquid paraffin to stop the bismuth's effect. If he had modified the powder by increasing the mag. carb. and cutting down the creta præp. and the bismuth. carb. he would probably not have needed the paraffin. Another doctor had a leaning towards paraffin, on which he spent £85 a year in his insurance practice. If his example were followed by all practitioners the bill for liquid paraffin would be £500,000 a year. The habit of symptomatic treatment may lead to gross overmedication. A doctor gave 112 doses daily of elix. diamorph. et terpin. B.P.C. throughout three months to a patient with advanced phthisis. Each dose contained  $\frac{1}{16}$  of a grain of heroin: clearly a case of heroin addiction over which the doctor had not exercised a restraining hand. Another practitioner gave eleven doses a day of medicine to one patient throughout a quarter. The same doctor spent £33 on Virol in three months and ordered more than 12 cwt. of malt and oil at an ingredient cost of £59. He and his partner and assistant cost the drug fund £545 in this quarter. It is more common to find undue frequency of prescription the cause of high expenditure than costliness of drugs.

Water is the most important ingredient in all mixtures, and in England by a special clause in the Drug Tariff it is to be taken to mean ordinary tap-water, except: (a) for eye lotions; (b) in cases where the Insurance Committee, guided by the Panel and Pharmaceutical Committees, has decided that the local water is unsuitable for dispensing; and (c) where, in the opinion of the pharmacist, ordinary water would make an undesirable change in the medicament prescribed. In England 12 oz. of water cost nothing; in Scotland 1d. Again, 12 oz. of chloroform water in England cost 1d., but in Scotland 6d., because in the absence of some such saving clause as the above the B.P. lays it down that distilled water must be used. The Scottish prescriber can sometimes evade this extra charge for water. For example, if he wishes to order 3 per cent. sol. ac. bor. he can order it as pulv. ac. bor. at a cost of 6d., including dispensing fee, and instruct the patient to dissolve it in  $1\frac{1}{2}$  pints of boiling water.

Gargles may be useful mouth-washes, but if a local throat effect is desired lozenges are much more efficient. In England 8 oz. of garg. formaldehyd. cost 5d., but two dozen formaldehyde lozenges, lasting two or three times as long, cost 42d. Under the Scottish Drug Tariff the dispensing fee for twenty-four tablets is 7s. 6d., whereas under the English it is 3d. Bulk powders for internal administration are much more economical than mixtures. For a chronic case large quantities (4 to 8 oz.) may be ordered at a time. Pulv. bismuth. co., 8 oz., cost

1s. 6d., but the corresponding medication in mixtures would cost more than double and would necessitate three to four journeys to the chemist. Some individuality of treatment is desirable in these gastric cases, and the individual ingredients of pulv. bismuth. co. can be ordered in the proportion which seems to be the most effective for the patient. Weighed powders have been almost supplanted in England by tablets, which are cheaper and less trouble; but, curiously, in Scotland the cost of tablets may be more than that of an equal number of powders.

**Vitamin and Gland Products.**—A Departmental Committee decided some years ago that for the most part vitamin products are not properly to be supplied as medicines. It made one exception—cod liver oil—on the score of long usage. The most efficient form of administration is the pure oil or the 50 per cent. emulsion. Few people realise how great a drop in efficiency results from substituting oil and malt, of which the oil content is only 15 per cent., so that 1 drachm of the pure oil is equal to 2 drachms of the 50 per cent. emulsion and 7 drachms of oil and malt. As to price, 1 lb. of oil (128 doses) with dispensing fee costs 1s. 4d.; 1 lb. of 50 per cent. emulsion (sixty-four doses) costs 1s. 9d.; 1 lb. of oil and malt (only eighteen equivalent doses) costs 1s. 1d. Where cod liver oil cannot be tolerated capsules of halibut oil,  $\mathfrak{M}$  3, may be given; and forty-eight capsules sufficient for sixteen days cost 2s. 8s. 6d. The treatment of anaemia is at present a weak spot in national health insurance work because the proper treatment depends on the type of the anaemia, which can only be determined by pathological investigation. The use of liver extracts in the routine treatment of every case of anaemia is a gross waste of public money. In pernicious anaemia they must be given for long periods, but adequate oral administration is expensive and extravagant; by the parenteral route only about one-thirtieth of the amount required for oral therapy is necessary. When the requisite daily dose of thyroid has been determined a smaller number of large tablets rather than a larger number of small tablets should be ordered; dispensing fees are thus saved.

**Proprietary Remedies.**—It is quite true that a certain amount of prescribing of proprietary remedies is necessary for every man who does his best for his patients, but there are doctors whose ingredient cost is expended to the extent of 64 per cent. on such preparations; this proportion is indefensible. It has been said that the manufacturing chemists are the only people who organise pharmacological research and make progress in therapeutics, and therefore we ought to try their products and assist in the advance of medicine. The statement is to some extent true, but for one firm which conducts research in this way there are numbers of others which watch for the new products and promptly manufacture them or something similar under a new name and claim the credit without the preliminary expense.

Apart from those proprietary remedies whose composition is secret, there are, broadly speaking, three groups of proprietary medicaments. First, there are remedies whose composition is ostensibly revealed but in reality concealed as far as possible. For example, phenazone or antipyrine is called phenyl-dimethylpyrazolone. In the second group are the genuine chemical compounds, which may be of great value. Sometimes a method of preparation is patented—for example, insulin and calciferol. The prescriber's difficulty is that one substance with perhaps slight modifications is manufactured by twenty different firms under twenty different names. There are about sixty barbiturate drugs on the market, but the compounds whose action needs to be differentiated are perhaps only four or five. There is just as much confusion in the sulphonamide group. Much genuine original work has been done lately on ovarian and testicular extracts and their derivatives, but the practitioner badly needs a disinterested guide through the maze of names and the confusion of advertisers' puffs. Lastly come the remedies which consist of several more or less well-known drugs compounded into an elegant pharmaceutical preparation and presented to the profession under a new name as a treatment for some chronic condition. The composition is always given, but the manufacturer claims no proprietary rights except in the title, thus escaping the patent medicine duty. Many of these preparations are *bona-fide*. The question is, however, whether under the N.H.I. Acts it is "reasonably necessary" that a panel patient should be treated with a relatively expensive combination of known drugs, some of which may be unfitted to the particular case. Before such a preparation can be considered "reasonably necessary" the practitioner should give adequate consideration to the need for the individual ingredients and should then be prepared to justify the choice of the proprietary form. In the English National Formulary, a table of proprietary preparations is given and opposite to each a non-proprietary preparation which is "reputed to have an analogous therapeutic effect." A doctor who prescribes proprietary remedies should have tried from time to time non-proprietary substances of "reputed analogous therapeutic effect" and found them ineffective or at any rate less effective or less well tolerated than the proprietary articles. Also he should have a reasonable knowledge of the composition of the drug used and of its pharmacology. The mere elegance of a pharmaceutical preparation is hardly sufficient reason for its use.



## FURTHER REPORT ON SHELTER HEALTH

THE committee appointed to consider health conditions in shelters and popularly known as Lord Horder's committee (see *C. & D.*, November 23, p. 275) has recently made additional recommendations, which have been issued as a Government white paper (Cmd. 6245, H.M. Stationery Office, price 1d.). It is understood that all the recommendations have been accepted. Among them are the following:—

**Tuberculosis.**—(1) Arrangements should be made to hospitalise at once, compulsorily if necessary, cases of "open" tuberculosis known to frequent shelters.

(2) Each tuberculous family should have a family shelter and should obtain priority in issue of assisted shelter accommodation.

**Louse Infestation.**—(1) The committee endorsed the Ministry of Health's short courses of instruction for shelter wardens, and issue of a pamphlet giving briefly the essential facts in the life history of the louse, the flea, and the bed-bug and summarising simple measures for dealing with these pests.

(2) Selected insecticides should be made available and methods of application submitted to trial. The method or methods chosen should be set out in a leaflet for the guidance of wardens acting under medical supervision.

(3) If compulsory powers to delouse do not at present exist they should be taken immediately.

(4) Accurate information of louse infestation in shelters should be obtained.

**Bug Infestation.**—(1) In the construction of shelters, bunks, and other fittings, measures should, as far as possible, be taken to avoid cracks, crevices, and other harbourages for insects. The practicability of treating all internal walls with impermeable paint to render them impervious to bugs should be investigated.

(2) When a shelter is found to be infested, the committee suggests an organised system of cleaning and scrubbing and the liberal use of soap and water containing cresol. The use of a painter's blowlamp carefully applied to all cracks, etc., is an excellent, simple method, generally applicable for small infestations.

**Chemicals in Latrines.**—For economy the committee point out that it is usually unnecessary to add disinfectants to latrine containers that are being flushed or emptied frequently and regularly.

**Masks.**—The use of masks by shelter-users was considered by an ad hoc committee. The following tentative recommendations have been accepted by the main committee. Researches are being continued.

(1) The principle of masks for reducing risk of droplet infection is sound and should be capable of practical application.

(2) It seems desirable to choose as standard a mask that will reduce the spread of micro-organisms from an infected person and protect an uninfected person.

A cellulose acetate screen  $5\frac{1}{2}$  in. square, supported by an elastic cord, is considered to be the best for standard purposes. A suitable number of such masks should be ordered to meet any contingency. To obviate an unforeseen difficulty in supply, masks of the gauze type, consisting of at least four layers of muslin of at least 44 threads to the inch, should also be ordered.

(3) The Yashmak type of mask is regarded favourably by the committee.

(4) A memorandum for the information of medical officers of health concerning the use of masks should be issued. A leaflet should also be prepared for issue to shelter users.

**Lozenges, Gargles, and Throat Sprays.**—The committee considered the use of certain reputed prophylactic measures such as medicated lozenges, gargles, and throat sprays, but concluded from the evidence placed before it that there were not sufficient grounds on which to recommend any of these methods as part of the general hygiene campaign against infection in shelters. The committee does not wish to discourage the use of these measures by individual shelter-users, but does not advise that they be included in the list of drugs supplied by the Government.

**Smoking.**—(1) In the interests of public health smoking should be prohibited in public shelters except where a separate compartment can be set aside for smokers. The prohibition not to apply to any form of domestic shelter or domestic communal shelter.

(2) Facilities for smoking can usually be provided in the brick surface public shelters by setting aside a compartment for the purpose.

(3) To avoid confusion in the public mind, the different categories of shelter should be carefully explained to the Press if and when this recommendation is handed to them.

The committee is sponsoring certain controlled experiments with some of the newer forms of chemotherapeutic drugs used as nose and throat sprays under medical supervision, and these are still in progress.

## TRADE NOTES

**CIBA, LTD.,** Horsham, Sussex, have issued a new price list of their pharmaceutical specialities.

**PRICE INCREASE.**—Keen, Robinson & Co., Ltd., Norwich, have been compelled to increase the price of Robinson's barley water owing to the rise in production costs. It should be noted that this preparation is not subject to purchase tax.

**THIAZAMIDE.**—Pharmaceutical Specialities (May & Baker), Ltd., Weymouth, have issued an informative booklet on Thiazamide (M. & B. 760) giving its history, composition, activity, clinical and other data. A copy of this publication will be sent to anyone interested.

**ANZORA PRODUCTS.**—In their advertisement in this issue, Anzora Perfumery Co., Ltd., Dalston Gardens, Stanmore, Middlesex, give details of the new wholesale and retail prices of Anzora and Nuzora hair preparations. Bonus and quantity discounts are available on certain orders.

**DOUBLE-CAPPED CONTAINERS.**—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, point out that the double-capped containers described in a recent issue of the *C. & D.* (November 23, p. 282) are issued by them under the title Vena-flasks, of which they are the sole suppliers. A booklet describing the flasks and their use can be obtained from the B.D.H. on request.

**VARISTAB.**—Boots Pure Drug Co., Ltd., Nottingham, have introduced under the name Varistab a stable, aqueous, 5 per cent. solution of ethanolamine oleate with 25 per cent. glycerin and 0.3 per cent. trisulphate for the injection treatment of varicose veins and indirectly varicose ulcers and varicose eczema. Varistab has been submitted to extensive clinical trial and reports indicate that extremely good permanent results are obtained in all cases. Varistab is almost painless on injection and personal idiosyncrasy is unlikely. It is supplied in boxes of 3 × 5 c.c. ampoules, 6 × 5 c.c. ampoules, and 30 c.c. rubber-capped vials. Literature on Varistab may be obtained from the Medical Information Department of the company.

### Proprietary Articles Trade Association

**Additions and Alterations to Protected List.**—(Unless otherwise stated, all prices include purchase tax.)—*Thos. Christy & Co., Ltd.*, Window-display

bonus on lanoline in tubes and on liquid lanoline has been withdrawn. *County Perfumery Co., Ltd.*, Brylcreem, 4d., 2s. 11½d. doz.; 11d., 7s. 3d. doz.; 1s. 2½d., 9s. 10½d. doz.; 1s. 9½d., 14s. 6d. doz.; 2s. 1½d., 17s. 1½d. doz.; 2s. 11½d., 21s. 8½d. doz. *Brylfoam*, 7½d., 5s. 3d. doz.; 1s. 2½d., 10s. 6½d. doz. *Hiltone Bleach*, 4s. 3d., 37s. doz. *Forhans, Ltd.* (Agents: *Fassett & Johnson, Ltd.*), Forhans dentifrice and Forhans tooth-paste, 1s. 6d., 13s. doz.; 3s., 26s. doz. *Proprietary Agencies, Ltd.*, Californian syrup of figs, 1s. 5d., 13s. 2d. doz.; 2s. 10d., 26s. 5d. doz.; Stamped pack, 14s. 2½d. doz., 28s. 5d. doz. Milk of magnesia, 1s. 5d., 12s. 11d. doz.; 2s. 10d., 25s. 11½d. doz. *Mil-Par*, 2s. 6d., 23s. 2d. doz.; 4s. 3d., 39s. 8d. doz. Milk of magnesia tablets, 7d., 5s. 5d. doz.; 1s. 11½d., 36s. 11d. doz. *Phillips* dental magnesia, 7½d., 5s. 5d. doz. *Phosphorurate* of quinine, 5s. 7d., 46s. 11½d. doz.

**Deletions.**—*Thos. Christy & Co., Ltd.*, Tosa chilblain cure. *Ex-Lax, Ltd.* *Ex-Lax* candy laxative; lemon stomach-tablets; gum and Chuform. *Musterole brand products*, laxative cold-tablets; healing ointment; dyspepsia tablets and lung tonic.

### Business Changes

**MR. P. C. DENSON** (herb importer) informs us that his address is 112 Beswick Avenue, Bournemouth.

**JAMES WOOLLEY, SONS & CO., LTD.**, Manchester, announce that they are in a position to maintain normal deliveries to most of their customers.

**FREDERIC HAMPSON, LTD.**, ask our subscribers to address all communications for the company to Wentworth, Westminster Road, Eccles, Lancs.


**VERNON POWELL, LTD.**, Prees, Shropshire, announce that owing to the sudden death of Mr. G. L. Greenside, recently-appointed manager of their Sanderstead branch, this establishment is closed and all communications should be sent to Prees.

**EMERGENCY ARRANGEMENTS** have been made in respect of the Manchester office of *THE CHEMIST AND DRUGGIST*, but for the present it is requested that communications be addressed to The Pitman Press, Lower Bristol Road, Bath. Correspondence for our representatives in the Manchester area should be addressed as follows: Mr. K. Stafford, Stet Barn Farm, Little Hayfield, Hayfield, nr. Stockport, Cheshire; Mr. T. B. Chadwick, 11 Thorn Road, Swinton, nr. Manchester. Telephone: Swinton 1431.





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# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

for RETAILER — WHOLESALER — MANUFACTURER

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## The New Year

IN what will undoubtedly be a memorable year it is fitting that the chief feature of the first issue of THE CHEMIST AND DRUGGIST in 1941 should comprise NEW YEAR MESSAGES to their colleagues and friends from the leaders of the professional, industrial and commercial societies, associations and federations connected with the British pharmaceutical chemical and allied trades and industry (pp. 4 to 7). The expressions of opinion on prevailing domestic conditions in some sections of the trade may vary, just as they always have done and, we hope, always will do. On the national front, however, there is complete unanimity: a strong and confident voice giving an unmistakable message of determination and confidence in the future.

Well and worthily has every section of the trade, wholesale and retail, manufacturing, professional and commercial, responded to the calls made upon it throughout the anxious months of 1940. In every respect they have each played their part in the great national effort. In the coming year the nation may be called upon to endure further trials and tests but we shall go forward with renewed courage. With our determination undiminished and our armaments and fighting forces, on sea and land and in the air, now moving swiftly to their peak, the coming year is one to which we may look forward with confidence and as one of great hope for the future of this country and the world generally. This simple message of faith is sent out to all readers of THE CHEMIST AND DRUGGIST with the sincere hope that for all of us the New Year may be the Herald of Victory, Peace and a Happier Era.

## Resist or Resign

WE have received many letters and resolutions of protest against the amendment of the Pharmacy and Poisons Act, 1933, in favour of the co-operative societies, and it is noteworthy that these reach us from all parts of the country. That protests against any change should be forthcoming is to be expected, but what is remarkable in the present occasion is the evident fear that the Council of the Pharmaceutical Society may agree to some modification of the Act that is detrimental to pharmacy. It may be pointed out that up to the present the proposed amendment has not been issued for publication and that its terms are known only to the Home Office, the Council of the Pharmaceutical Society of Great Britain, the executive of the co-operative societies and a few other bodies, the last-mentioned having been notified by the Pharmaceutical Society. It is pertinent to ask why, if so many interested parties can be informed of the alterations suggested by the Home Office, members of the Pharmaceutical Society cannot be told? It is of the utmost importance that chemists should be informed of the proposals

without delay, as the secrecy which enshrouds the negotiations is creating a feeling of disquiet, of which the Council would be well advised to take notice. When the president (Mr. Deacon) addressed meetings in the North of England recently, he asked chemists to trust the Council and to abide by their decisions. In most instances such procedure would be readily agreed to, but the present is one of outstanding importance and affects not only every member of the Society but the entire future of pharmacy. Furthermore the resolution passed at the British Pharmaceutical Conference, 1939, was explicit. It represented the view of pharmacists then and now.

Pharmacy's case is quite straightforward—it was stated in the Council's memorandum to the Home Office (C. & D., 1939, II, p. 429): "The understanding of 1934 between the Society, the co-operative societies and the Home Office was based on what was then understood to be the law, and was a working interpretation for administrative purposes necessary for the smooth introduction of new legislation. As was pointed out by the Society at the time and admitted in a document dated April 1934, signed by Sir F. Hayward, Messrs. A. V. Alexander and R. A. Palmer, the understanding was subject to 'whatever interpretation may ultimately be placed upon the meaning of the words should they ever have to be considered by a court of law.' The decision of the court in *Hygienic Stores v. Coombes* has now authoritatively interpreted the law and the understanding can no longer stand. The circumstances must therefore be considered in the light of the law as it is now found to be. A decision of Parliament that in every premises where a chemist, whether a private individual or corporate body, sells drugs there must be a pharmacist in control is not one to be lightly set aside." Such were the Pharmaceutical Council's views in 1939, and for seven years the Council has enforced the Act against numerous businesses, both large and small—in one case necessitating the re-organisation of a number of branches. The question chemists are asking is why the Council does not proceed to enforce the provisions in the case of the co-operative societies instead of considering concessions and conducting secret negotiations.

The impression gathered from the president's recent addresses is that he is in favour of amending the Act to meet the co-operative societies' wishes. It is most desirable that members of the Society should know which members of Council are in favour and which against. The reports of the Council meetings give no clue, but a number of councillors have definitely ranged themselves against amendment in the past, and rather than see the Act altered in a manner detrimental to pharmacy such members should take steps to make effective protest and if necessary demand the resignation of those who are not prepared to oppose any weakening of the present position.

The matter is of vital interest to all sections of the trade, wholesaler and manufacturer no less than retailer. In fact it is essential that all who have the welfare of pharmacy at heart should make their opinions felt so that the Council of the Pharmaceutical Society will take a firm stand against aggression. Meanwhile we are writing to the Council of the Pharmaceutical Society for a copy of the proposed amendment for publication in THE CHEMIST AND DRUGGIST.

## Chemical Exports Lead

AN increase in the export value of "chemicals, drugs, dyes and colours" of nearly £6,000—the largest gain for any group of export articles—is recorded in the national trade figures for the eleven months of 1940 ended on November 30, compared with the corresponding period of the previous year. This highly satisfactory result, achieved during a year of considerable difficulty, provides further evidence of the strong position of the British chemical industry and of its ability to respond to the national need for increased overseas trade. Import, export and re-export figures for chemicals, etc., for the eleven months ended November 30, 1938, 1939 and 1940, together with the corresponding figures for the month of November, are given in the following table:—

| Eleven months ended November 30 |            |            | Month ended November 30 |           |           |
|---------------------------------|------------|------------|-------------------------|-----------|-----------|
| 1938                            | 1939       | 1940       | 1938                    | 1939      | 1940      |
| £                               | £          | £          | £                       | £         | £         |
| IMPORTS:                        |            |            |                         |           |           |
| 12,269,396                      | 14,467,723 | 16,179,275 | 1,213,381               | 1,424,878 | 1,065,783 |
| EXPORTS:                        |            |            |                         |           |           |
| 20,421,367                      | 20,293,594 | 26,150,334 | 2,021,834               | 2,160,457 | 1,425,089 |
| RE-EXPORTS:                     |            |            |                         |           |           |
| 434,980                         | 433,876    | 571,105    | 36,560                  | 27,877    | 22,899    |

Turning to a more general consideration of the trade returns for November, it is noted that imports, exports and re-exports were all lower than in October. The decline in imports totalled £12.2 millions, compared with the much lower fall of £2 millions in total exports, making an excess of imports over exports of £50.5 millions, a figure lower than in any month of 1940 except September. The excess of imports over exports for the eleven months of 1940 totalled £611.5 millions, compared with £358 millions for the years 1938 and 1939.



The value of imports during the month under review totalled £7.29 millions—the lowest figure recorded since October 1939 and £12.2 millions less than in October 1940. A good proportion of the decline was caused by lower figures for food, drink and tobacco, raw materials and manufactured articles. Exports during the month were valued at £21.7 millions—a reduction of £1.7 millions compared with October and £10 millions below the average for July–September 1940, when the trading area was substantially the same. Re-exports, which in October fell below £1 million for the first time, showed a further fall to £723,000, a great part of the reduction being in respect of undressed hides and skins.

## CLOSING OF HISTORIC PHARMACY

ALLEN & HANBURY, LTD., announce that Plough Court Pharmacy, Lombard Street, London, E.C.3, has been closed down following enemy action. This historic pharmacy was established in 1715 by Silvanus Bevan, apothecary, and it is believed that since that time its doors have not been closed. The business appears to have prospered from its earliest days and Bevan's mental powers were probably far above those of the average apothecary of his day, judging from the fact that he was elected a Fellow of the Royal Society in 1725 at the early age of thirty-four. Silvanus Bevan died in 1765, and his brother, Timothy, an apothecary, whom he had taken into partnership in 1736, carried on the business. In 1766 this was known as "Timothy Bevan & Sons, druggists and chymists, Plow Court, Lombard Street," as Timothy had taken into partnership his two sons Timothy Bevan junior and Silvanus. Timothy Bevan died in May 1786; he retired from business in 1775 in favour of his youngest son, Joseph Gurney Bevan. J. G. Bevan was evidently a man of system and contributed much to the improvement of the foreign business of the firm, the foundations of which had been laid by Timothy Bevan. He retired from the Plough Court business in July 1794 at the early age of forty and was succeeded by Samuel Mildred who carried on the business single-handed until 1795, when young William Allen, who had been a clerk in the house since 1792, became a partner and the business became known as Mildred & Allen. Like Silvanus Bevan, the father of the firm, Allen became a F.R.S. and was the friend of many scientists, among them Doulton and Sir Humphrey Davy. He was one of the founders of the Pharmaceutical Society and its first president. He was a hard worker in the cause of the abolition of the slave trade and in the room above the pharmacy at Plough Court many meetings were held with this end in view with such men as William Clarkson, Bishop Wilberforce, Lord Brougham and Joseph Fox. Turning to the business side of his work, the first printed drug list put up by the firm is attributed to him. This is dated 1796 and is described as a catalogue. In 1797, Allen paid Mildred the sum of £525 for his share of the business when the latter retired. Luke Howard, afterwards F.R.S., became a partner under the title of Allen & Howard, and William Allen carried on the Plough Court business, Howard taking charge of the chemical laboratories at Plaistow. The partnership was dissolved in 1807, the separation being made "in the most amicable manner." In 1818 Allen took into partnership John Thomas Barry. The marriage of William Allen in 1806 with Charlotte, youngest daughter of Capel Hanbury, first brought the family of Hanbury into touch with the pharmacy at Plough Court. Capel Hanbury had two sons, Daniel Bell and Cornelius—William Allen's two nephews whom he and his partner Barry took into the Plough Court pharmacy. Daniel Bell Hanbury, the elder nephew, was the first to be admitted into the business and in 1824 he and his brother, Cornelius, were taken into partnership under the style of Allen, Hanburys & Barry. It was not many years after the founding of the Society in 1843 that attention was devoted at Plough Court to the preparation of cod liver oil. It was J. T. Barry's friend, Dr. Thompson, who declared that he himself had derived more benefit from cod liver oil for the treatment of phthisis than from any other medicine. Under Barry's supervision the earliest manufacture of cod liver oil in this country was begun at Plough Court, not later than 1847. The livers were bought at Billingsgate Market and were boiled down during the night in copper pans over charcoal fires. Malt extract, prepared *in vacuo*, may well be classed as an example of the application of science to the manufacture of pharmaceutical preparations; there is evidence available that this was prepared in the laboratory of the old Plough Court Pharmacy in the late seventies of the last century. Although tablets for making hypodermic solutions came into use at a fairly recent date, an examination of the archives of Plough Court reveals that "standard" solutions for hypodermic use were in use in the early 'eighties. The story of this notable pharmacy was compiled by Ernest C. Cripps under the title "Plough Court" and was published in 1927.

GLASS IN LARGE BUILDINGS.—The Research and Experiments Department of the Ministry of Home Security has issued Bulletin No. C.13 dealing with obscuration, ventilation and protection from glass in large buildings. In addition to notes on temporary and permanent obscuration, methods of protection from flying glass; ventilators and light traps; and camouflage, the Bulletin contains three appendices of diagrams illustrating the points made.

## THIRD ADDENDUM TO THE B.P.

PRELIMINARY details of the new and amended B.P. monographs included in the Third Addendum to the B.P., 1932, which was published and became official on January 1, were given in the C. & D., December 7, p. 306. Copies may be obtained from the publishers: Constable & Co., Ltd., 10 Orange Street, London, W.C.2 (price 3s. 6d.). The following are further particulars of the monographs.

**New Monographs.**—*Alcohol. Tribromoethyl.*—White, crystalline powder, unstable in air. Contains not less than 99 per cent. of tribromoethanol. *Amylen. Hydr.*—Synonym: Tertiary amyl alcohol. Colourless, volatile liquid with a camphoraceous odour. *Aneurin. Hydrochlor.*—Synonyms: Aneurine chloride hydrochloride, vitamin B<sub>1</sub>, thiamine hydrochloride. Obtained from rice polishings, yeast and other natural sources or by synthesis. Colourless monoclinic plates, usually in rosette-like clusters. Prophylactic daily dose:  $\frac{1}{10}$  to  $\frac{1}{100}$  gr. (100 to 200 units). *Bromethol.*—Synonym: Solution of tribromoethyl alcohol. Contains tribromoethyl alcohol, 66.7 gm., in amylene hydrate, 33.3 gm. Dose, by rectal injection as a basal anæsthetic,  $\frac{1}{2}$  to  $\frac{3}{4}$  ml. per lb. body weight. Originally known as avertin. *Carbachol.*—Colourless, prismatic crystals or crystalline powder. Very hygroscopic in moist air. Dose:  $\frac{1}{16}$  to  $\frac{1}{8}$  gr. by mouth, and  $\frac{1}{16}$  to  $\frac{1}{8}$  gr. subcutaneously. Originally known as doryl. *Chlorocresol.*—Synonym: Parachlorometacresol. Colourless crystals soluble in 250 parts of water. Readily soluble in alcohol, fixed oils, etc. *Hexobarbiton.*—Synonym: Hexobarbital. Odourless, tasteless and colourless prismatic crystals, soluble in about 3,000 parts of water at 20°. Dose: 4 to 8 gr. Originally known as evipan. *Hexobarbiton. Solubl.*—Synonym: Soluble hexobarbital. White, very hygroscopic powder, very soluble in water and alcohol. Administered by intramuscular, intravenous or rectal injection. Originally known as evipan sodium. *Inj. Leptazol.*—Contains leptazol, 10 per cent., and sodium phosphate, 0.25 per cent., in distilled water. Reaction pH 7.8. *Iodoxyl.*—Contains not less than 50.5 per cent. and not more than 52.5 per cent. of iodine. Odourless white powder, soluble in 1.2 parts of water. Dose by intravenous injection, 150 to 225 gr. Originally known as uroselectan B. *Leptazol.*—This is pentamethylenetetrazole. Odourless, colourless crystals or white crystalline powder. Dose:  $\frac{3}{4}$  to 1½ gr. Originally known as cardiazol; also known as icoral. *Mepacr. Hydrochlor.*—Odourless, bright yellow crystalline powder, soluble in about thirty parts of water. Dose:  $\frac{3}{4}$  to 1½ gr. Originally known as atebirin. *Mepacr. Methanosulph.*—Odourless, bright yellow crystalline solid, soluble in three parts of water. Dose by intramuscular injection,  $\frac{3}{4}$  to 1½ gr. Originally known as atebirin musonate. *Nikethamid.*—This is the diethylamide of pyridine- $\beta$ -carboxylic acid. Colourless or yellowish oily liquid or crystalline solid. Miscible in all proportions with water. Dose: 3 to 8 gr. by mouth or 8 to 20 gr. by intravenous injection as a stimulant. Originally known as coramine. *Past. Acid. Tann.*—Synonym: Tannic acid jelly. Contains tannic acid 5, tragacanth 2, chlorocresol 0.1, alcohol (95 per cent.) 6, distilled water to 100. The alcohol may be replaced by the required amount of industrial methylated spirit. *Phemiton.*—Odourless, tasteless white crystalline powder, almost insoluble in water. Dose:  $\frac{1}{2}$  to 6 gr. Originally known as prominal. *Stibophen.*—Contains not less than 15.6 and not more than 16 per cent. of trivalent antimony. Odourless, colourless, fine, glistening crystalline powder, readily soluble in cold water. Dose 1½ to 5 gr. Originally known as foudadin.

**Amended Monographs.**—The monograph on injection of bismuth salicylate permits the use of arachis oil in place of the olive oil. Monographs on lead plasters, injection of mercury, calomel injection and mercuric nitrate ointment are included in which arachis oil may be used in place of the olive oil in each preparation. (This substitution in the last four preparations has been allowed since July 5; C. & D., July 6, p. 4). The melting point of atropine sulphate, powdered and dried, at 135° for ten minutes is not below 188°. The new standard for the non-phenolic alkaloid content of ipecacuanha root is included. Vegetable oil or oils, or the fatty acids derived from them (with the exception of coconut oil or palm kernel oil or fatty acids therefrom) are permitted to be used in the preparation of hard and soft soaps. In the preparation of mercury ointment a suitable amount of white beeswax may be used in place of benzoated lard to produce the required consistency.

**STEP TOWARDS SYNTHETIC QUININE.**—The synthesis by Drs. H. B. Haas and H. C. Huffman, Purdue University, of a molecule known to be essential in producing synthetic quinine was claimed at the Detroit Convention of the American Chemical Society recently. The synthesis is stated to have been carried out with oil-well gases.

**DISPENSING FEE FOR DOCTORS.**—The Ministry of Health has agreed to an increase from 2s. 6d. to 3s. in the annual capitation fee payable to medical practitioners who are required to supply drugs and appliances to insured patients. This agreement, which takes effect retrospectively from October 1, 1940, is the result of negotiations between the insurance acts committee of the British Medical Association and the Ministry of Health.



# TRADE REPORT

Spot quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the prices for wholesale quantities of standard quality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise in the present emergency

28 Essex Street, W.C.2., January 1

RECENT air attacks on the City of London have caused a certain amount of disorganisation in the drug markets, and holders of stocks are disinclined to sell until the position becomes clearer. It is understood that certain stocks in warehouses have been damaged by fire resulting from enemy action, but the extent of the loss is as yet unknown. Demand for PHARMACEUTICAL CHEMICALS has continued on a fair scale, and values are steady. No important price alterations have been notified during the week.

## Crude Drugs

After the quiet opening usual at this time of year, the drug markets have experienced fairly satisfactory inquiry. The general tone is steady, with some products particularly firm. AGAR continues in good inquiry, at prices slightly in advance of those recorded last week. Both CURAÇAO and CAPE ALOES are quoted unchanged. ANTIMONY continues in quiet demand at the lower values noted last week. Spot supplies of BUCHU are now limited, and the market is firm; there are no offers of new-crop. CARDAMOM remains a slack market, and quoted values are unaltered. CASCARA SAGRADA is steady and moving quietly on spot. The higher prices recorded recently for CLOVES are fully maintained. ERGOT is steady, with modest inquiry. West African GINGER continues firm, and values are at the higher levels noted last week. The demand for Sudan GUM ACACIA remains quiet. Minas IPECACUANHA is rather firmer on spot. A fair business in Chinese MENTHOL on spot is reported, and the market is firmer. PEPPERS have been in good demand and prices are firm. Spot stocks of RHUBARB are now small and are firmly held. RUBBER is steady, and a fair business is passing. SENEGA is very steady. SENNA continues firm and unchanged. As a result of a shortage of the finer grades of TRAGACANTH, prices of other qualities have increased. BEESWAX is dearer on spot.

## Essential Oils

Certain products have been in fair demand, and prices are generally steady. The only changes of interest announced by the Ministry of Food to the existing prices of oils and fats for allocation to primary wholesalers and large trade users during the period December 30, 1940, to February 1, 1941, are increases in the prices of palm oils. English expressed ALMOND is steady at the recent advance. Spot values of ANISE (STAR) remain at former quotations. The demand for CASSIA has been moderate, and the price is firm. Interest in CITRONELLA has been small, and quotations are maintained at previous levels. CLOVE is steady. EUCALYPTUS is quiet. LEMONGRASS is firm for shipment. All varieties of ORANGE are quoted unchanged. Chinese PEPPERMINT has been in good demand during the week, and spot stocks appear to be considerably diminished; the American natural oil continues steady at unchanged values. PETITGRAIN is firm.

## Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

| Centre           | Quoted           | Par     | December 24                       | January 1                         |
|------------------|------------------|---------|-----------------------------------|-----------------------------------|
| Belgian Congo .. | Francs to £      | nominal | 176½*                             | 176½*                             |
| Buenos Aires ..  | Paper pesos to £ | —       | 17·02*                            | 17·02*                            |
| Java ..          | Florins to £     | 12·107  | 7·60*                             | 7·60*                             |
| Lisbon ..        | Escudos to £     | 110     | 100·0*                            | 100·0*                            |
| Madrid ..        | Pesetas to £     | 25·24½  | 40·50 official<br>46·55 voluntary | 40·50 official<br>46·55 voluntary |
| Montreal ..      | Dollars to £     | 4·86½   | 4·45*                             | 4·45*                             |
| New York ..      | Dollars to £     | nominal | 4·03*                             | 4·03*                             |
| Shanghai ..      | Per dollar       | —       | 3½d.                              | 3½d.                              |
| Stockholm ..     | Kronor to £      | 18·150  | 16·90*                            | 16·90*                            |
| Yokohama ..      | Per yen          | 2s.     | 1s. 2½d.                          | 1s. 2½d.                          |
| Zurich ..        | Francs to £      | 22·2115 | 17·35*                            | 17·35*                            |

\* Rate fixed by Bank of England. Bank rate, 2 per cent.

## Pharmaceutical Chemicals, etc.

STEADY conditions continue to be reported in these markets, with a fair routine trade passing. There are no price changes of importance.

ACETANILIDE.—Steady but quiet. Spot, B.P.C. crystals and powder, quoted at from 2s. 4d. to 2s. 6d. per lb., according to quantity.

AMIDOPYRINE.—Quiet, dealers' quotations unaltered. Crystals, one-cwt. lots, 27s. per lb.; smaller lots, up to 30s. per lb.; powder, 3d. per lb. extra.

ASPIRIN.—Steady at makers' prices:—

| Quantity                   | In containers of |           |       |       |        |        |
|----------------------------|------------------|-----------|-------|-------|--------|--------|
|                            | 1 lb.            | 2 lb.     | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
| 1 lb. and under 4 lb. ..   | s. d. 3 10½      | s. d. 3 9 | —     | —     | —      | —      |
| 4 lb. and under 7 lb. ..   | 3 9½             | 3 8       | 3 7½  | —     | —      | —      |
| 7 lb. and under 14 lb. ..  | 3 8½             | 3 7       | 3 6½  | 3 6½  | —      | —      |
| 14 lb. and under 28 lb. .. | 3 7½             | 3 6       | 3 5½  | 3 5½  | 3 5    | —      |
| 28 lb. and under 1 cwt. .. | 3 6½             | 3 5       | 3 4½  | 3 4½  | 3 4    | 3 3½   |
| Not less than 1 cwt. ..    | 2 11½            | 2 10      | 2 9½  | 2 9½  | 2 9    | 2 8½   |
| Not less than 5 cwt. ..    | 2 11             | 2 9½      | 2 9   | 2 8½  | 2 8½   | 2 8    |
| Not less than 10 cwt. ..   | 2 10             | 2 8½      | 2 8½  | 2 7½  | 2 7½   | 2 7    |

\* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less.

Sale is subject to an undertaking on part of buyer not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if aspirin is converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

BARBITONE.—Steady; fair business. One cwt., 22s. per lb.; 28 lb., 23s.; smaller quantities, 26s. per lb.

BENZALDEHYDE.—Firm. Quotations nominal at about 4s. per lb., but supplies are difficult.

BORAX (B.P.).—Makers' prices steady: Granulated, £34; crystals, £35; powder, £35 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain, in minimum one-ton lots. Commercial qualities, £8 per ton less.

BORIC ACID (B.P.).—Makers' scales continue steady: Granulated, £50 10s.; crystals, £51 10s. per ton, for minimum one-ton lots, in cwt. bags, carriage paid in Great Britain. Commercial qualities, £8 per ton less.

CAFFEINE.—Very firm, with supplies limited. Importers are quoting about 42s. to 48s. per lb., according to quantity.

CALCIUM LACTATE.—Occasional small business. Makers' quotation of 1s. 8d. per lb. for small quantities is unchanged.

CITRATES.—Makers' re-sale prices are as follows:—

| POTASSIUM, B.P.            | In containers of |             |       |       |        |        |
|----------------------------|------------------|-------------|-------|-------|--------|--------|
|                            | 1 lb.            | 2 lb.       | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
| Under 4 lb. ..             | s. d. 3 0        | s. d. 2 10½ | —     | —     | —      | —      |
| 4 lb. and under 7 lb. ..   | 2 11             | 2 9½        | 2 9½  | —     | —      | —      |
| 7 lb. and under 14 lb. ..  | 2 10             | 2 8½        | 2 8½  | 2 7½  | —      | —      |
| 14 lb. and under 28 lb. .. | 2 9              | 2 7½        | 2 7½  | 2 6½  | 2 6½   | —      |
| 28 lb. and under 1 cwt. .. | 2 8              | 2 6½        | 2 6½  | 2 5½  | 2 5½   | 2 5    |

SODIUM, B.P., one penny per lb. below corresponding prices for POTASSIUM, B.P. IRON AND AMMONIUM (SCALES), B.P., threepence per lb. above corresponding prices for POTASSIUM, B.P. Prices net. All packages charged extra. It is a condition of sale that buyers undertake not to re-sell at prices below the values given. 28-lb. tins charged 2s. each.

CITRIC ACID (B.P. CRYSTALS).—Makers' sales price continues nominal at 1s. 2d. per lb., less 5 per cent. discount.

COCAINE.—British makers' prices for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 9d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. ALKALOID, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Re-sale: Sales are subject to buyers' undertaking not to re-sell any quantity below the scale of prices for such quantity current at the time of re-sale. Export prices vary according to destination.

CREAM OF TARTAR (B.P.).—Makers' nominal quotation continues unchanged at 202s. per cwt., less 2½ per cent. discount, with supplies restricted to regular consumer customers.

CREOSOTE (BEECHWOOD).—Dealers quote bulk quantities, in 25-kilo demi-johns, at about 7s. 6d. per lb.

EMETINE HYDROCHLORIDE.—Makers' quote 100s. to 104s. per oz., according to quantity.

EPHEDRINE HYDROCHLORIDE (B.P.).—Quotations for ordinary quantities are at about 7s. to 8s. per oz. Lots of 1,000 oz. are at a slightly lower figure.

GUAIACOL.—Firm. Crystals and liquid, quoted by dealers at about 12s. 6d. per lb. for limited supplies.

GUAIACOL CARBONATE.—Makers' and dealers' quotations steady at about 12s. 6d. to 13s. 6d. per lb.

IODIDES.—Steady at makers' prices: POTASSIUM B.P., not less than 1 cwt., 8s.; 28 lb., 8s. 6d.; 14 lb., 9s. 2d.; 4 lb., 10s. 8d.; smaller quantities, 11s. 2d. per lb. SODIUM, B.P., not less than 28 lb., 8s. 10d.; 14 lb., 9s. 4d.; 7 lb., 10s. 9d.; 4 lb., 11s. 5d.; smaller quantities, 12s. 3d. per lb. IODINE, B.P., RESUB., not less than 1 cwt., 9s. 2d.; 28 lb., 9s. 7d.; 14 lb., 10s. 2d.; 7 lb., 11s. 7d.; 4 lb., 12s. 3d.; smaller quantities, 13s. per lb. IODOFORM, B.P. (CRYST., PRECIP. OR POWDER), not less than 28 lb., 11s. 4d.; 14 lb., 11s. 10d.; 7 lb., 13s. 9d.; 4 lb., 14s. 7d.; smaller quantities, 15s. 5d. per lb. Contracts for 1 cwt. and upwards (assorted if desired) for delivery as required during three months, with the following clause: Price applicable to any delivery is that in force on date of dispatch. One-cwt. cases charged extra; 28-lb. tins 2s. each and non-returnable. All bottles charged for but credited in full if received back carriage-paid in good condition within three months. Carriage paid on any quantity. Assorted quantities charged for at collective total prices on orders for 14 lb. and upwards. It is a condition of sale that buyers undertake not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made.

LACTIC ACID.—Quoted unchanged. One-cwt. carboys, about 1s. 8½d. per lb.; winchesters and bottles, about 1s. 9d. to 2s. per lb., ex store, according to quantity.

METHYL SULPHONAL.—Steady; quotations unchanged at about 40s. to 42s. 6d. per lb., ex store.

PARALDEHYDE.—Dull; quoted at about 11d. to 1s. per lb., in one-cwt. carboys.



**PHENACETIN.**—Makers' prices are steady; ordinary quantities, about 3s. 9d. to 4s. per lb., without engagement. The price required by dealers would be about 8s. 6d. per lb.

**PHENAZONE.**—Dealers' price for bulk quantities would be about 17s. 6d. per lb.; smaller lots, up to 22s. per lb.

**PHENOLPHTHALEIN.**—Makers' prices continue steady: Less than 7 lb., 3s. 8d. per lb.; 7 lb., 3s. 7d.; 14 lb., 3s. 6d.; 28 lb., 3s. 5d.; one cwt., 3s. 4d.

**QUININE.**—Sulphate is quoted at 59.85 U.S.A. dollars per 100 oz., f.o.b. Java. At current exchange rate the sterling price would be £14 17s. 5d. per 100 oz., f.o.b. Java.

**RESORCIN.**—Steady. Makers' prices are as follows: Not less than 7 lb., 7s. 3d. per lb.; not less than 14 lb., 7s.; not less than 56 lb., 6s. 10d.; not less than 1 cwt., 6s. 9d. Dealers' prices for any spot material available would be about 8s. 6d. to 9s. per lb.

**SACCHARIN.**—The convention price for 550 remains at 98s. 4d. per lb., duty paid. Neither wholesale nor retail prices are under Government control.

**SALOL.**—Firm and unchanged. Quotations range between 6s. 9d. and 7s. 6d. per lb., according to quantity.

**SANTONIN.**—Convention prices are as follows: 15 kilos and over, £35 10s.; not less than 10 kilos, £36 5s.; not less than 5 kilos, £37; less than 5 kilos, £38 per kilo, delivered free in the U.K.; 1-kilo tins free.

**SODIUM BARBITONE.**—In limited demand, quotations being unchanged. One cwt., 23s. 6d. per lb.; 28 lb., 24s. 6d.; smaller lots, 27s. 6d. per lb.

**STRYCHNINE SALTS.**—Makers' prices per oz. are as follows:—

|                       | Under 100 oz. | 100 oz. and over | 500 oz. and over |                                 | Under 100 oz. | 100 oz. and over | 500 oz. and over |
|-----------------------|---------------|------------------|------------------|---------------------------------|---------------|------------------|------------------|
| Alkaloid, crystalline | s. d. 3 0     | s. d. 2 10       | s. d. 2 9        | Nitrate, powder                 | s. d. 2 9     | s. d. 2 8        | s. d. 2 6        |
| " precipitated        | 3 0           | 2 10             | 2 9              | " " No. 2                       | 2 3           | 2 1              | 2 0              |
| Acetate               | 3 2           | 3 1              | 2 11             | Phosphate                       | 3 7           | 3 6              | 3 4              |
| Arsenate              | 3 1           | 2 11             | 2 10             | Sulphate, neutral, crystalline  | 2 6           | 2 4              | 2 3              |
| Arsenite              | 3 2           | 3 1              | 2 11             | Sulphate, neutral, powder       | 2 6           | 2 4              | 2 3              |
| Bisulphate            | 2 4           | 2 3              | 2 1              | Sulphate, neutral, powder No. 2 | 2 1           | 1 11             | 1 10             |
| Hydrochloride         | 2 9           | 2 8              | 2 6              |                                 |               |                  |                  |
| Hypophosphite         | 5 6           | 5 4              | 5 3              |                                 |               |                  |                  |
| Nitrate, crystalline  | 2 9           | 2 8              | 2 6              |                                 |               |                  |                  |

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

**SULPHONAL.**—Quiet and unchanged. Dealers are quoting prices of 34s. to 37s. 6d. per lb., according to quantity.

**TARTARIC ACID (B.P. CRYSTALS).**—Makers advise that their price continues nominal at 2s. 6½d. per lb., less 5 per cent. discount. Supplies are reserved for regular consumer customers.

**THEOBROMINE.**—Extremely short. Prices of imported material appear to vary between 45s. and 60s. per lb.

**VANILLIN.**—Makers' prices are steady: Ex clove oil or guaiacol, five cwt., 15s. 6d. per lb.; one cwt., 15s. 7½d.; 56 lb., 15s. 9d.; less than 56 lb., 16s., carriage paid in the U.K. Tins in cases are now returnable to makers.

### Crude Drugs, etc.

**ACONITE.**—Any remaining root would now be worth about 160s. per cwt.

**AGAR.**—Good demand continues, and present spot values are as follows: Kobe No. 1, 17s. to 17s. 6d. per lb.; Kobe No. 2 and Yokohama No. 1, 16s. 6d. per lb. No shipment offers from Japan.

**ALOES.**—Business in Curaçao continues on routine lines, with spot quoted at about 320s. to 350s. per cwt., ex store, according to quantity. The last price reported from New York was 300s. per cwt., c.i.f. Cape remains steady and unchanged at about 57s. 6d. to 60s. per cwt.

**ANTIMONY.**—Unchanged at the lower figures reported last week. English, 99 per cent., £85 per ton, delivered; foreign regulus, £88 to £91 per ton, ex warehouse, duty paid.

**BALSAMS.**—*Tolu* would now be worth about 8s. per lb. on spot; *Canada* continues unchanged at approximately 7s. 6d. per lb.; *Copaiba*, B.P., is valued at between 3s. 6d. and 3s. 9d. per lb.; *Peru* is unchanged at about 7s. 9d. per lb.

**BELLADONNA.**—The value of English-grown leaf is now about 4s. 6d. per lb. Some Indian root is reported available at about 2s. per lb.

**BENZON.**—Occasional inquiry of Sumatra. Spot, steady at previous figure of between £5 10s. and £6 15s. per cwt., ex store.

**BISMUTH METAL.**—Steady at current quotation of one dollar 25 cents per lb.

**BUCHU.**—Firm, with little available on spot; value would be about 3s. 3d. to 3s. 5d. per lb., according to quality. No offers of new crop.

**CAMPHOR.**—Japanese is quoted unchanged on a slow market. Japanese tablets, about 6s. per lb., for limited supplies; slabs, about 5s. 2d. to 5s. 3d. per lb.; flowers, about 5s. 4d. per lb. Continental synthetic is quoted unchanged: Powder, 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, steady at the recent advance, as follows:—Flowers, one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb. Transparent tablets, ¼-oz.: one cwt., 6s. 9d.; 28 lb., 6s. 10d.; less than 28 lb., 6s. 11d. per lb.

**CANTHARIDES.**—Inquiry small, with quotations unchanged. Chinese, spot, about 5s. 9d. to 6s. per lb., duty paid; Russian, if available, about 6s. per lb., on spot.

**CARDAMOM.**—Values are maintained at recent levels; business is small. Ceylon, spot, 3s. 6d. to 5s. per lb., according to quantity. Bombay seed, about 4s. 6d. per lb. Mangalore seed, about 4s. 3d. per lb. Aleppy greens, about 3s. 2d. per lb.

**CASCARA SAGRADA.**—Values steady; inquiry fair. Spot, about 125s. per cwt.; shipment, approximately 110s. per cwt., c.i.f.

**CASCARILLA.**—Amount of trade is small, with values steady. Spot, silvery quill, about 1s. 6d. per lb.; siftings, about 1s. 4d. per lb.

**CHAMOMILES.**—There are no quotations for Belgian flowers. Any remaining supplies would be worth about 4s. 6d. per lb.

**CHILLIES.**—Quiet; values maintained. Mombasa are now quoted on spot at about 140s. per cwt.; and Sierra Leone at about 135s. per cwt.

**CLOVES.**—Firm; prices unchanged. Zanzibar, spot, 11½d. per lb.; shipment, January, 9½d. per lb., nominal, c.i.f. Madagascar, steady on spot at 11d. per lb., in bond.

**COCOA BUTTER.**—Spot nominal at 1s. 3d. per lb., duty paid, ex store.

**COCONUT (DESICCATED).**—Spot values of fine and medium continue nominal.

**COCHINEAL.**—Values steady, inquiry moderate. Spot, blacks, about 2s. 6d. per lb.; greys, about 2s. 3d. per lb.

**COLOCYNTH.**—Not much doing in this product. Dealers are quoting fine-quality pulp at about 2s. per lb., with ordinary grades at about 1s. 7d. to 1s. 8d. per lb.

**DANDELION ROOT.**—No quotation for imported root. English-dug root is worth about 2s. per lb.

**DIGITALIS LEAVES.**—English-grown leaves are now valued at about 4s. per lb., ex store. There are no quotations for imported leaves.

**ERGOT.**—The spot value of Spanish-Portuguese continues at about 8s. 6d. to 8s. 9d., per lb., ex store; shipment, steady and unchanged at around 7s. 6d. per lb., c.i.f.

**GAMBOGE.**—Values are maintained, market quiet. Spot, good-quality Siam pipe, about £25 to £26 per cwt., duty paid, ex store.

**GINGER.**—The higher spot price of 75s. per cwt. quoted last week for West African is unchanged. Jamaican, spot, small-medium, 95s.; bold, in barrels, 120s. per cwt., ex-store. Cochinchina, unwashed, 75s. per cwt., ex store.

**GUM ACACIA.**—In quiet demand, with values unchanged. Kordofan cleaned sorts, spot, about 80s. per cwt.; shipment, about 47s. 6d. per cwt., c.i.f.

**HENBANE.**—English-grown leaf is valued at about 6s. 6d. per lb. Some Indian is reported available at about 210s. per cwt.

**HYDRASTIS.**—Untested root is quoted on spot at about 17s. 6d. per lb.

**IPECACUANHA.**—An average amount of trade, with values steady. Matto Grosso, spot, about 22s. per lb., ex store, shipment, about 16s. 9d. to 17s. per lb., c.i.f. Minas, rather firmer, with spot values now at about 10s. to 10s. 3d. per lb., ex store, to test; forward values unchanged at about 8s. to 8s. 6d. per lb., c.i.f. EXT. IPECAC. LIQ., unchanged at 30s. per lb., for minimum lots of twelve winchesters.

**MENTHOL.**—Rather firmer. Chinese, spot, about 20s. 6d. to 21s. per lb.; orders sent to China are bringing back offers of 17s. 6d. upwards per lb., c.i.f. Japanese, spot, a few cases are stated to be available at about 22s. 6d. per lb., ex store, duty paid.

**MERCURY.**—London spot quotation, per bottle of 34½ kilos, is unchanged at £48, ex warehouse London, without engagement and subject to confirmation.

**NUTMEGS.**—Steady, with quotations unchanged. West Indian, spot, 80s., about 1s. 2d. per lb.; 90s., 10½d.; and wormy and broken, about 9½d.

**ORANGE PEEL.**—Thin-cut continues to be quoted on spot at about 3s. 2d. per lb., ex store. Bitter quarters, if available, would be valued at about 1s. 8d. per lb., ex store.

**PEPPERS.**—Firm; values unchanged. Lampong, spot, 5½d. per lb., sellers, in bond; shipment, January, nominal. Tellicherry, spot, 6d. Aleppy, spot, 6d. White Muntok, spot, duty paid, 8½d.; in bond, 8d.; shipment, unquoted.

**PIMENTO.**—Firm at the recent advance to 1s. 5d. per lb.; shipment, new crop, January, unchanged at 125s. per cwt., c.i.f., sellers.

**PYRETHRUM.**—Dealers are quoting Kenya flowers on spot at about 160s. to 170s. per cwt., ex store.

**QUILLAIA BARK.**—Steady, and in limited demand. Dealers' quotations are in the region of 85s. per cwt., ex store.

**RHUBARB.**—Demand remains good, but spot stocks are small. Ordinary-quality rough-round would be at about 5s. 10½d. per lb. on spot; shipment, about 4s. 4d. to 4s. 6d. per lb., c.i.f. Shensi has been in fair demand. Spot stocks are limited and would be valued at about 7s. 9d. to 8s. per lb.

**RUBBER.**—Steady, with a fair business passing. Standard ribbed smoked sheet, spot, 1s.; January, 1s.; February, 12½d.; March, 12½d.; April-June, 12½d.; July-September, 12½d.

**SAFFRON.**—Genuine Spanish on spot is quoted at about 170s. per lb.

**SEEDS.**—ANISE.—Spot, 125s., duty paid, and 120s., in bond. CANARY.—No stocks available at present. CARAWAY.—Spot, Dutch, 240s., per cwt., duty paid. CORIANDER.—Spot, Morocco, quoted at 120s., duty paid, ex store London or Liverpool. CUMIN.—Spot, Malta, 140s., duty free; Morocco, 142s. 6d., duty paid. DILL.—Spot, Indian, 65s., duty free, ex store Liverpool. FENNEL.—Spot, Indian, 55s. to 57s. 6d., duty free; Iran, 50s. to 55s., duty paid. FENUGREEK.—Spot, Morocco, 36s. duty paid, ex store Liverpool only. MUSTARD.—English, 75s. to 85s., according to quality.

**SENEGA.**—Very steady. Spot, about 4s. 9d. per lb., with not a lot available at this figure; shipment, about 4s. 9d. to 5s. per lb., c.i.f.

**SENNA.**—Tinnevely, market steady; spot, supplies small; No. 1 leaves, 10s. per lb.; No. 2 leaves, 6½d.; No. 3 leaves, 5d. per lb. Hand-picked Tinnevely pods, if available, 1s. to 1s. 3d. per lb.; manufacturing pods, 6d. to 7d. per lb. Alexandrian hand-picked pods, a few small lots at 5s. 6d. to 7s. 6d. per lb.

**SHELLAC.**—Steady and unchanged. Spot, standard TN orange, 87s. 6d.; pure button, 115s.; fine orange, 110s. to 170s. per cwt.

**STRAMONIUM LEAVES.**—Spot stocks are limited, and any remaining supplies would be worth between 140s. and 150s. per cwt.



**TRAGACANTH.**—Business has been quiet, but, owing to scarcity of finer grades of gum, prices have risen. No. 1, white, £97 10s.; No. 2, white, £80; No. 3, white, £60; pale leaf, £37 10s.; amber leaf, £26; red leaf, from £13 13s.; woody and hoggy, from £7 10s. per cwt., ex store.

**TURMERIC.**—Spot firm; Madras and Rajapore finger, sold at 48s.

**WAXES.**—**BEES'.**—Spot business is quiet, but values are dearer. Spot, 190s.; in bond, 177s. 6d.; shipment, Dar-es-Salaam, 177s. 6d. per cwt., c.i.f. Japanese, first three brands, spot, duty paid, 137s.; in bond, 127s.; shipment, 115s., c.i.f. **CARNAUBA.**—Fatty grey, again dearer at 425s.; chalky grey, 425s.; Primeira, 530s.

### Essential and Expressed Oils, etc.

GENERAL trade in these products has continued moderate, most orders having been for limited quantities.

**ALMOND.**—English expressed oil steady at the recent advance, as follows: Spot, one-cwt. lots, 4s. 6d.; smaller quantities, up to 4s. 9d. per lb., ex store, Genuine French bitter, quoted unchanged on spot at about 18s. per lb., nominal, ex store.

**ANISE (STAR).**—Spot values for good-quality are steady. Spot, tins in cases, about 6s. 3d.; drums, about 6s. per lb., ex store; shipment, tins in cases, about 5s. per lb., c.i.f.

**AVOCADO PEAR.**—Importers' quotations remain at about 55s. to 57s. per gall., delivered; small lots would be at higher prices.

**BAY.**—Fully steady as quoted. Spot, valued at between 6s. and 6s. 6d. per lb., ex store.

**BERGAMOT.**—The position of this oil is unaltered. Spot values are a matter for negotiation; about 60s. per lb. has been mentioned as a basis. British makers offer artificial substitutes at attractive prices.

**BOIS DE ROSE.**—There has not been a lot of inquiry for this product. Spot, quoted at about 11s. 6d. to 12s. 6d. per lb.; shipment, about 9s. 3d. per lb., c.i.f., in drums.

**CAJUPUT.**—The spot value of this oil would be approximately 5s. to 6s. per lb., according to quantity.

**CANANGA.**—Steady as quoted. The present spot quotation stands at about 19s. per lb.

**CASSIA.**—Firm as quoted, business moderate. Spot, from 7s. 6d. to 8s. per lb.; shipment, if obtainable, approximately 7s. per lb., c.i.f.

**CITRONELLA.**—Little interest has been shown on spot, and quotations are unchanged. Ceylon, spot, quoted at about 2s. 4d. to 2s. 6d. per lb., in drums; small lots, up to 3s. per lb.; shipment, firm at about 2s. per lb., c.i.f. Java, spot, about 2s. 6d. to 3s. per lb.; shipment, about 1s. 9d. per lb., c.i.f.

**CLOVE.**—In fair demand and very steady. Madagascar, spot, in drums, about 6s. upwards, per lb., if available. English, quoted unchanged at about 7s. 5d. to 7s. 11d. per lb., according to quantity.

**EUCALYPTUS.**—Market is quiet; shipment nominal. Spot, from 4s. to 4s. 6d. per lb. for 70 to 75 per cent. oil, according to holder, and from 4s. 6d. to 4s. 9d. for 80 to 85 per cent.; shipment, nominal.

**GERANIUM.**—Spot quotations for both Bourbon and Algerian are firm at about 50s. per lb. for any good-quality oil available.

**GRAPEFRUIT.**—Genuine Californian is valued on spot at between 14s. 6d. and 15s. per lb. Genuine Florida would be worth about 11s. 6d. per lb.

**LEMON.**—Californian distilled continues to be quoted at about 10s. per lb., nominal; cold-pressed might be obtained on the basis of 3 dollars 25 cents per lb., cost and freight. There is no change in the position of Sicilian hand-pressed; no quotations are available, and spot prices would be a matter for negotiation. British makers offer artificial substitutes at attractive prices.

**LEMONGRASS.**—Shipment firm at about 4s. 1½d. per lb., c.i.f. The value of spot would be in the region of 4s. 6d. to 5s. per lb.

**LIME.**—West Indian, spot, continues to be quoted at about 30s. per lb.; other qualities would be at lower prices.

**LINSEED.**—The controlled price for large bulk quantities of crude, naked ex works, is at the recent reduction to £41 10s. per ton. Distributors' prices for ordinary quantities would be higher figures.

**NEROLI.**—Continues steady and in quiet demand. Pure French would be valued at about 80s. per oz. Artificial substitutes are available from British makers at attractive prices.

**OLIVE.**—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. 6d. per gall. as to quantity.

**ORANGE.**—Spot values of French Guinea would now be in the region of 10s. or more per lb. Rhodesian continues to be quoted at 8s. 6d. per lb., ex wharf London. Californian is quoted in sterling at 5s. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transit overland to New York at an extra charge of five cents per lb.

**PALMAROSA.**—Continues steady and in quiet demand. Spot, about 12s. 6d. per lb., ex store; shipment, new-crop, about 10s. 6d. per lb., c.i.f.

**PEPPERMINT.**—Chinese has been in good demand and there appears to be little left on spot at about 10s. per lb. Shipment quotations are now around 7s. 3d. per lb., c.i.f. American natural continues steady at 14s. 3d., in drums, and 14s. 7d., in tins in cases, c.i.f. Spot, steady at about 16s. per lb., ex store.

**PETITGRAIN.**—Limited spot sale, with the price firm. Spot, about 12s. 6d. per lb., nominal; no shipment offers.

**ROSE.**—Business has been of small consequence. Bulgarian oil is quoted on spot at about 80s. per oz.

**SPIKE.**—Values show no variation; business is quiet. Spot, about 12s. 6d. to 13s. 6d. per lb.

**VETIVERT.**—Remains quiet, with quotations unchanged. Spot, Bourbon, about 50s. per lb.; Java, about 40s. per lb., ex store.

## STOCK EXCHANGE PRICES

| £1 shares unless otherwise stated                                 | Dec. 29<br>1939 | Nov. 29<br>1940 | Dec. 30<br>1940 |
|---|-----------------|-----------------|-----------------|
| Allen & Hanburys, 7% Prefd. Ord.                                  | s. d. 23 9      | s. d. 22 6      | s. d. 22 0      |
| Amalgamated Dental Co., 8% Prefd. Ord.                            | 22 3            | 16 9            | 16 0            |
| " " " " , Deferred  | 8 6             | 5 7½            | 5 0             |
| Aspro, 5s.  | 11 3            | 13 0            | 13 0            |
| Ayrton, Saunders & Co., 7½% Pref.                                 | 21 9            | 18 0            | 17 9            |
| Beechams Pills, Deferred 2s. 6d.                                  | 8 1½            | 8 4½            | 8 6             |
| Benger's Food, Ord.   | 17 0            | 21 3            | 20 6            |
| Benzol & By-Products, Cum. Particip. Pref.                        | 20 6            | 13 9            | 14 4½           |
| Berger, Lewis, & Sons, Ord.                                       | 41 3            | 36 3            | 38 9            |
| Boots Pure Drug Co., Ord. 5s.                                     | 39 9            | 39 0            | 38 0            |
| " " " " , 7% "A" Pref. Ord.                                       | 28 0            | 26 0            | 27 0            |
| Boots Cash Chemists (S.), 6% "A" Prefd.                           | 25 9            | 24 0            | 24 6            |
| Borax Consolidated, Deferred Ord.                                 | 25 0            | 26 6            | 25 7½           |
| Bovril, Ord.  | 23 6            | 23 1½           | 23 6            |
| " " " " , Deferred  | 20 10½          | 22 6            | 22 3            |
| British Industrial Plastics (formerly British Cyanides), Ord. 2s. | 2 1½            | 2 4½            | 2 4½            |
| British Drug Houses, The, Ord.                                    | 21 9            | 21 3            | 21 3            |
| British Glues & Chemicals, Ord. 4s.                               | 6 3             | 6 3             | 6 3             |
| British Oil & Cake Mills, Prefd. Ord.                             | 39 0            | 33 9            | 34 9            |
| British Oxygen Co., Ord.  | 71 3            | 65 0            | 63 9            |
| British Photo Industries, 6% Cum. Pref.                           | 3 0             | 2 0             | 2 3             |
| Burt, Boulton & Haywood, Ord.                                     | 15 0            | 11 0            | 11 3            |
| Bush, W. J., & Co., 5% Pref. £5                                   | 82 6            | 90 0            | 90 0            |
| Callard, Stewart & Watt, Ord.                                     | 1 6             | 1 0             | 1 0             |
| Cooper, McDougall & Robertson, Ord.                               | 20 6            | 20 0            | 20 0            |
| Crofield, Joseph, & Sons, 6½% Pref.                               | 24 6            | 23 6            | 24 0            |
| Dubarry Perfumery, Ord. 1s.                                       | 2 0             | 1 3             | 1 3             |
| Evans Sons Lescher & Webb, Ord. 6s. 8d.                           | 2 6             | 2 6             | 2 6             |
| " " " " , 6% Cum. Particip. Pref.                                 | 5 0             | 5 6             | 5 3             |
| Field, J. C. & J., Ord.   | 22 6            | 20 0            | 20 0            |
| Galloway, P. H., Ord. 2s.   | 2 6             | 1 3             | 1 3             |
| " " " " , 7½% Cum. Pref.  | 20 0            | 20 0            | 21 3            |
| Genatosan, 1s. shares   | 5 1½            | 5 6             | 5 6             |
| Gossage, William, 6½% Pref.                                       | 25 6            | 23 6            | 23 9            |
| Greeff-Chemical Holdings, Ord. 5s.                                | 5 0             | 5 7½            | 6 0             |
| Griffiths Hughes (Kruschen), Ord.                                 | 6 4½            | 7 6             | 7 0             |
| Grout & Co., Ord.   | 13 0            | 11 0            | 11 0            |
| Hodders, Ord. 1s.   | 0 7½            | 0 3             | 0 5½            |
| Ilford, Ord.  | 22 3            | 25 7½           | 24 9            |
| " " " " , 6% Pref.  | 21 9            | 22 6            | 22 6            |
| Imperial Chemical Industries, 7% Pref.                            | 30 0            | 31 4½           | 33 0            |
| " " " " , Ord.  | 30 4½           | 28 6            | 29 9            |
| International Sponge Importers, 6% Pref.                          | 5 0             | 5 0             | 5 0             |
| Knight, John, 25% Prefd. Ord.                                     | 78 9            | 67 6            | 66 3            |
| Laporte, B., & Co., Ltd., Ord.                                    | 60 0            | 48 9            | 52 6            |
| Lever Bros., 7% Pref.   | 25 0            | 25 0            | 26 0            |
| " " " " , 8% Pref.  | 25 9            | 25 0            | 25 0            |
| " " " " , 20% Prefd. 5s.  | 15 6            | 15 0            | 15 0            |
| Lewis & Burrows, Ord.   | 20 0            | 7 6             | 10 0            |
| " " " " , 6% Pref.  | 18 9            | 10 0            | 11 3            |
| Liebig's Extract of Meat, Ord. £5                                 | £16½            | £11½            | £12             |
| Macleans, 6% Red. Pref.   | 19 0            | 21 0            | 21 0            |
| Mellin's Food, 6% Pref.   | 1 3             | 1 3             | 1 0             |
| Nathan, J., & Co. (Glaxo), 7% Pref.                               | 21 9            | 19 0            | 18 6            |
| " " " " , 8% Prefd. 10s.  | 10 3            | 9 0             | 8 9             |
| " " " " , Ord. 10s.   | 3 6             | 11 1½           | 11 9            |
| Pears, A. & F., 5% Deb. £100                                      | £97½            | £98½            | £97½            |
| Reckitt & Sons, Ord.  | 96 3            | 90 0            | 90 0            |
| Sangers, Ord. 5s.   | 20 0            | 19 0            | 18 9            |
| Sanitas Co., The, 9% Pref.  | 22 6            | 21 3            | 22 0            |
| Sanitas Trust, 10% Particip. Pref.                                | 22 6            | 21 3            | 22 6            |
| Smith, Stephen, & Co., Ord. 5s.                                   | 8 3             | 8 6             | 8 7½            |
| Spratt's Patent, Ord.   | 43 6            | 37 6            | 36 3            |
| Stevenson & Howell, 6½% Cum. Pref.                                | 22 6            | 20 0            | 20 0            |
| United Glass Bottle Manufacturers, Ord.                           | 51 3            | 45 0            | 46 3            |
| Veno Drug Co., 8% Pref.   | 22 6            | 22 6            | 22 9            |
| Viro, Ord.  | 25 0            | 25 0            | 25 0            |
| " " " " , 7% Pref.  | 23 6            | 20 0            | 20 6            |
| Vitamins, Ltd., 1s. shares  | 4 3             | 3 9             | 3 6             |
| White, A. J., Ltd., Ord. 10s.                                     | 13 3            | 10 0            | 11 3            |
| White, Timothy, & Taylors, 7½% Pref.                              | 26 3            | 24 6            | 24 9            |
| " " " " , Ord. 5s.  | 22 6            | 19 9            | 19 6            |
| Wright, Layman & Umney (1932), 7% Cum. Pref.                      | 23 1½           | 19 9            | 19 6            |

NOTE.—The shares of J. Nathan & Co. (Glaxo), Ord., were formerly 1s.

U.S.A. FORMALDEHYDE EXPORTS.—Exports of formaldehyde from the United States for the past eight years are shown in the following table:—

| Year    | lb.       | Value (\$) | Year    | lb.       | Value (\$) |
|---------|-----------|------------|---------|-----------|------------|
| 1932 .. | 2,103,224 | 100,905    | 1936 .. | 1,844,258 | 88,854     |
| 1933 .. | 2,373,178 | 121,021    | 1937 .. | 2,864,872 | 118,063    |
| 1934 .. | 2,597,846 | 125,297    | 1938 .. | 1,764,577 | 77,046     |
| 1935 .. | 2,497,810 | 133,586    | 1939 .. | 3,925,762 | 177,194    |



## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Equipment of Air Raid Shelters

SIR,—I would be glad if you would extend to me the further courtesy of your columns to thank Mr. Jackson for his letter and explanation (*C. & D.*, Dec. 21, p. 336). I feel, however, that it was unfortunate that any mention was made of a specific occasion if the following sentence, part of which I quoted, was not intended also to bear some reference to that occasion, particularly in view of the fact that, whether or not the War Emergency Committee knew of them, certain preliminary recommendations—with which I was not associated—of Lord Horder's Committee had by that time been circulated. In conclusion I am in agreement with the suggestion in your editorial (*C. & D.*, Dec. 14, p. 317) that an alternative method of supply such as you mention would be desirable, and any assistance I can give in securing this or in furthering the interests of pharmacists in any other way will be gladly rendered.

Yours faithfully,

London, E.C.1.

JAMES COUTTS.

### Crippling the Toilet Trade

SIR,—We hear daily many bitter complaints from the retail trade about the Limitation of Supplies Order which cuts the sales of toilet preparations by 75 per cent. It is obvious that if this Order is kept in force it will cripple our industry and ruin many retailers who have perhaps struggled for many years to build their businesses. In most cases manufacturers have ample reserve stocks which could be sold without impeding the war effort one iota, making this order harsh, drastic, and unnecessary. We are conscious of the good work already done by the various trade organisations but feel that the only way the trade as a whole can survive is for each individual retailer to take this matter up himself and make a protest to his member of Parliament. As we are fighting the war for democracy, surely it is time to exercise our rights under democratic rule to save from ruin the retail trade, which has been admitted to be the backbone of the country. In our opinion, it is worse than useless simply to complain and to watch your business going down the drain; one must immediately do something. If each individual in the trade will pull his weight and sit down and write to his representative in Parliament we shall have this disastrous Order amended.

Yours faithfully,

W. PATRICK HIBBERT,  
Managing Director, Picot, Ltd.

London, W.4.

### Totalitarian Pharmacy

SIR,—I have recently become a subscriber to your journal and from what I have seen of it, I find it to be an absolutely democratic paper. I should therefore be greatly indebted to you if you would print the following letter as I feel it voices the opinion of a great number of fellow pharmacists. We are fighting for democracy and still we allow our Society to be run on totalitarian lines under the dictatorship of those who should be our servants. Let us demand a new election and then make sure that we get a truly democratic body, which has pharmacy at heart and not one which seeks self-glory and wants to build "gilded" palaces to entertain their particular cronies in. I should like to state here that I do not class all on the Council as the above; there are one or two genuine men but they are the lone voices crying in the wilderness. What have the powers that be done for pharmacy this last ten years? Absolutely nothing! They take our subscriptions and beg for money for buildings and things of a totally unnecessary nature. They are allowing legitimate business to be taken from us each day but this does not matter so long as it does not interfere with their "muff" carry on; I dread to think what pharmacy will be like in a few years' time. Oh, for the days of Glyn-Jones, he was a man who put pharmacy before self-glory! What have they done with regard to military service? Apparently nothing! They have taken it lying down; we should rank with the medical and dental professions. The Pharmaceutical Society thinks that its members are fit for nothing better than rankers. They have not considered the number of young proprietor pharmacists they are condemning to be employees for the rest of their lives after the war. The multiple stores, etc., can have as many qualified men as they like above military age while a young proprietor pharmacist must either close his business or put a manager in with no safeguard for the future. I agree with them fully in the fact that pharmacists should be called upon to serve their country but the Society's policy should have been to see that they were taken in their capacity as pharmacists and with suitable rank. They should not allow more than one qualified man to a shop; in the case of one-man businesses the proprietor should be left regardless of his age. I, as a member, do not appreciate Mr. Hugh Linstead's actions of going about the country to various meetings preaching about what age pharmacists should be taken for the Army. I should like to remind him that he is paid by us to watch the interests of all pharmacists. The Council is now allowing the co-operative societies to over-ride it. It does not matter about the majority

of compulsory subscribers to the Society. We are the people who should decide and should therefore be consulted. I could go on pointing out what they have failed to do but it is impossible to mention one thing which they have done which would benefit the majority. They are now competing with the N.P.U. War Distress Fund. I do not say anything about competition but again I despised the way they went about it. If they had done one-hundredth part for pharmacy that the National Pharmaceutical Union has done, I should not be writing this letter. Well, pharmacists! Let us have a general clear out! We want leaders that have our welfare at heart and will improve the status of pharmacy. Kindly note I am not a red rag; I am quite prepared to fight for democracy in everything.—Yours faithfully,

PRODESSE QUAM CONSPLICI (27/12).

### American Opinion

SIR,—No doubt many of your subscribers have had encouraging cables from America over Christmas and the New Year. We think, however, they might be interested in one which we received from Mr. Sterling, of Fougere & Co. Inc., New York, reading as follows:—

"Godspeed and best wishes. A nation imbued with such faith, courage, and determination can never be vanquished." . . . To which we replied: . . . "All at Bidsawya reciprocate good wishes. Your encouragement greatly appreciated. We are most happy close American co-operation. Faith, courage, determination become automatic when realised that death infinitely preferable to slavery. With full American aid we shall win through."

Another cable we received from one of the leading merchant firms in New York reads:—

"We extend to you and your staff cordial season's greetings and pray that the New Year will bring to all peoples peace, justice and a triumph of humanity. Our admiration, goodwill and encouragement is extended through you to your valiant people." . . . To which we replied: . . . "Wishing you and your staff happiness and prosperity in the New Year and looking forward with confidence to still closer co-operation between our two countries. We believe 1941 will bring a new era of human happiness. Be assured our esteem and goodwill."

We give these as showing the spirit of close co-operation which with ever-increasing strength must result in ultimate victory which will prove to all the world that the English-speaking nations are going forward hand in hand. We take this opportunity of wishing you and your admirable paper a successful 1941.—Yours very truly,

London, E.C.

BIDDLE, SAWYER & CO., LTD.,  
H. A. BERENS,  
Director.

## MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

**Ice Cream Powders.**—*R. B. M.* (2/12).—The following are recommended formulas for making ice cream without the use of cream:—

| I                  |    |    |    |               |
|--------------------|----|----|----|---------------|
| Powdered starch    | .. | .. | .. | 1 oz.         |
| Powdered sugar     | .. | .. | .. | 1 oz.         |
| Orange dye         | .. | .. | .. | a sufficiency |
| Essence of almond  | .. | .. | .. | 1/10          |
| Essence of vanilla | .. | .. | .. | 1/10          |

This quantity is sufficient for a pint of milk, with which it is to be mixed, then brought to the boil, and when cold put in the freezer.

| II                      |    |    |    |           |
|-------------------------|----|----|----|-----------|
| Milk powder             | .. | .. | .. | 2 1/2 oz. |
| Powdered sugar          | .. | .. | .. | 20 oz.    |
| Arrowroot               | .. | .. | .. | 8 oz.     |
| Powdered gelatin        | .. | .. | .. | 2 oz.     |
| Vanillin sugar (1 : 50) | .. | .. | .. | 2 oz.     |

Mix and divide into packets of 4 oz. sufficient for one pint of milk or a mixture of milk and water. To make the vanillin sugar dissolve 3 1/2 oz. of vanillin crystals in 17 oz. of alcohol and mix with 9 lb. of finely powdered white sugar. Allow to dry in the open air.

**Winter Seed Dressing.**—*M. E.* (10/11).—Provided the grain is stored in dry condition, dressing can be carried out at any convenient time during the winter; but if the grain is inclined to be damp the dressing should be delayed until shortly before planting. Organic mercurial seed dressings are used at the rate of 2 oz. per bushel of seed. If no seed-dressing machine is available, a home-made one can easily be constructed from a barrel or box, mounted so that it can be rotated by turning a handle. A new leaflet on the disinfection of cereal seed, which describes the advantages of using organic mercurial dressings and the method of treating the seed, is now available from the Ministry of Agriculture.



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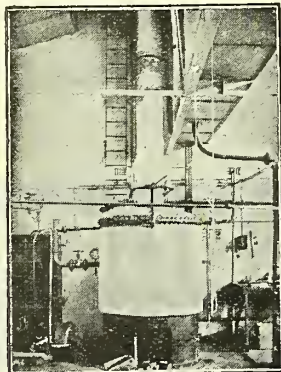
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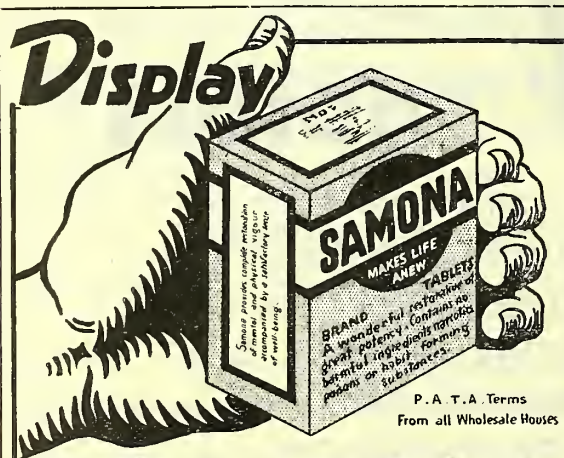
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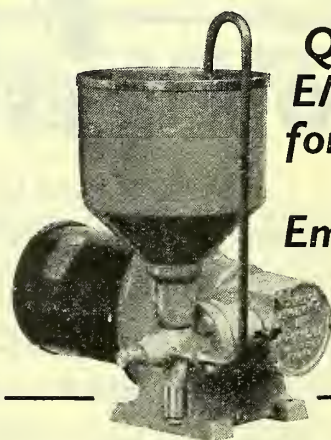


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*Wholesale Selling Agents for*  
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IN consequence of the operation of the Purchase Tax, all Beecham and 'Phyllosan' goods supplied to non-registered dealers direct from St. Helens on and after October 21st will be invoiced in accordance with the undermentioned revised terms:—

| Retail Selling<br>Prices including<br>Purchase Tax |  | Unstamped<br>Prices<br>per dozen |
|--|--|----------------------------------|
| 1/5  | Beechams <i>brand</i> Pills                          | 11/3                             |
| 3/5  | " " "  | 27/-                             |
| 5/6  | " " " (82 × 1d. Twists)                              | 49/-                             |
| 1/5  | Beechams <i>brand</i> Powders                        | 11/3                             |
| 5/6  | " " " (34 × 2½d. Powders)                            | 49/-                             |
| 1/5  | " " " (Tablet Form)                                  | 11/3                             |
| 1/5  | Beechams <i>brand</i> Lung Syrup                     | 11/9                             |
| 2/10   | " " " "  | 23/6                             |
| 3/5  | 'Phyllosan' <i>brand</i> Tablets                     | 27/3                             |
| 5/8  | " " "  | 45/3                             |
| 20/-   | " " "  | 160/-                            |
| 1/5  | Lactopeptine <i>brand</i> Tablets, Powder and Elixir | 11/9                             |
| 3/5  | " " " " "  | 28/-                             |
| 13/8   | " " " " "  | 110/-                            |

Less 2½ per cent. Discount and a further 5 per cent. for Advertising and/or Display Service.

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- (a) Assorted Beecham and 'Phyllosan' lines .. .. £3 10 0 value  
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### CARRIAGE PAID

Above List Prices subject to addition of Purchase Tax

The amount of the Purchase Tax payable on each order received from retailers (which in the case of Beecham products and 'Phyllosan' *brand* Tablets will be 16⅔ per cent. of the list prices stated above) will be shown separately on our invoice and we will be accountable to the Customs and Excise Authorities for this Tax when collected.

In future the well-known "twists" of Beechams *brand* Pills for retailing in pennyworths will contain 3 Pills instead of 4 as formerly, whilst Beechams *brand* Powders will be advertised to the public at 2½d. each including Purchase Tax. These alterations have necessitated a revision of the contents of our broken bulk packs, but subject to Purchase Tax the rates of trade profits remain unaltered.



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JAN. 4  
1941

## IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath.

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Pharmacists will find it a useful guide in the course of their business. Customers interested in the purchase of air raid precautions goods will appreciate a copy for their own use.

Chemical manufacturers and firms engaged in all branches of the drug trade will find the chart of practical use in connexion with arrangements they make for air raid precautions, and it is suggested that copies of the chart should be distributed to their staffs. Reprints are available at the following prices, postage included:—

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## WHOLESALE

**CLERKS** required, men or women. Need not necessarily have had previous experience but aptitude for figures and suitability for clerical work essential. Reply to Office Manager, The British Drug Houses, Ltd., London.

**INVOICE Clerk** required for London Wholesale Druggists. Write, stating experience, etc. 365/381, London Office of this Paper.

**LABORATORY**. Junior Male Assistant required. Must be strong and used to handling bulk solutions. Progressive salary to keen, capable applicant. Full particulars, experience, salary required, to The London Hospital Ligature Department Annexe, Dunmow Road, Bishop's Stortford.

**MANUFACTURING Chemists**, Liverpool, have a vacancy for capable lady supervisor to take charge of girls' packing department (proprietaries). State age, experience, salary, etc. CDB/313, London Office of this Paper.

**MIDLAND** firm have a vacancy for an Assistant in their Sundries Department who will ultimately be required to take full charge. Experience of Belt and Truss fitting an advantage. Applicants, who should not be liable for Military Service, should give full particulars of their past experience and state salary required. Good prospects. CDB/316, London Office of this Paper.

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## WHOLESALE

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**ADVERTISER** wishes to purchase sound business in London showing a net profit of £7 p. w. Would manage same with view to succession and purchase. Only replies containing fullest details considered. Cash waiting. Write in confidence to 374/685, London Office of this Paper.

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**AT** long last—for the duration—my charges for this more than ever important work must advance, though only 5 per cent. Escape this by asking for details within 7 days of this Supplement's date. 400 recommendations, including a present Lord Mayor (retired chemist). 2½d. Stamped envelope appreciated by A/ Bernard Slack (same address 17 years), 721 Princess Road, West Didsbury, Man. 20.

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**GLASS TUBES**, 2½ in. × ¼ in. What offers for 1,000 gross? Address, 373/671, London Office of this Paper.

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**NEW** or Second-hand Tablet Machine required, small Harris, Manesty "E," Wilkinson or Rotary. Write 374/673, London Office of this Paper.

**OILS** and Fats of all descriptions wanted, also Glycerine (refined and unrefined) and stearates. Write, 7 Addison Road, London, W.14.

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**FAR EAST** Representation. London firm of Wholesale Druggists who will be sending a Representative to the Far East, would like to hear from other firms desiring direct representation on a commission and part expenses basis. 374/678, London Office of this Paper.

**ATMOSPHERIC DISINFECTANTS**.—Advertiser (having sound connexion with London offices and business houses) would accept Agency for a quality product. 374/692, London Office of this Paper.

### IMPORTANT NOTICE TO SUBSCRIBERS CHANGES OF ADDRESS

During the period of the war it is important that notices of this nature should reach us not later than first post on the Monday morning prior to the issue which they are to affect.

Notifications should be sent to—

The Circulation Department,

**THE CHEMIST & DRUGGIST  
THE PITMAN PRESS, BATH**

## LATE NEWS

**Burkett, Sharp & Humble**, drug merchants, have removed to Plantation House, Mincing Lane, London, E.C.3.

**Guild of Public Pharmacists**.—A visit to the Wellcome Historical Medical Museum, 183 Euston Road, London, N.W.1, has been arranged for Wednesday, January 15, at 2 p.m.

**C. W. Field, Ltd.**, inform us that they have secured office premises at 179 Duke Street, Liverpool, and warehouse accommodation at 26-28 Gradwell Street, Liverpool. They can give immediate delivery of all essences, heading liquids, colours, and essential oils.

**Schering, Ltd.**, announce that until further notice they are closing their warehouse and offices on Saturdays. Arrangements have been made for urgent orders to have attention at John Bell & Croyden, and W. Martindale, 50 Wigmore Street, London, W.1.

**Price of Sugar to Manufacturers**.—The Ministry of Food announces that an Order has been made increasing the wholesale price of sugar for manufacturing purposes by 9s. 4d. per cwt. with effect from January 1, 1941. The purpose of this increase is to counter balance the cost of the recent reduction in the price of sugar for domestic consumption. The wholesale prices of invert sugar and liquid glucose are being increased by equivalent amounts from the same date.

**Contaminated Foodstuffs Instruction**.—The Ministry of Food has notified local authorities that two-day courses of instruction are to be held for those who would be called upon to deal with contaminated foodstuffs, should gas attacks be made on towns. The courses are primarily intended for the officers nominated by local or port authorities to deal with gas contamination of foods, but public analysts, gas identification officers, qualified chemists and members of the technical staffs of food firms may apply for permission to attend. There is no fee. Application to attend these courses from persons other than officers of local authorities should be sent to Dr. A. P. Platt, Ministry of Food, Neville House, Page Street, London, S.W.1, to arrive not later than January 10.

**The Wellcome Foundation, Ltd.**—Mr. George E. Pearson has retired from the Board of The Wellcome Foundation, Ltd. Mr. T. R. G. Bennett has been elected chairman of the board and Mr. G. L. Moore deputy-chairman. Dr. R. A. O'Brien, who joined the staff of the Wellcome Physiological Research Laboratories at Beckenham in 1910 and became Director in 1914, retired at the end of 1940. Dr. J. W. Trevan, who became head of the pharmacological section in 1920, has been appointed to succeed him. Dr. S. Smith, head of the Experimental Research Department and manager of the Wellcome Chemical Works at Dartford, has been appointed Director of the Wellcome Chemical Research Laboratories at Beckenham. Dr. W. M. Duffin has been transferred from the experimental department at Dartford to the staff of the Wellcome Chemical Research Laboratories at Beckenham. Mr. J. Russell has been appointed manager of the Wellcome Chemical Works. Mr. R. L. Grant has been appointed head of the Chemical Manufacturing Department on the retirement of Mr. W. Taylor. Mr. B. D. Wratton has been appointed manager of the publicity department of Burroughs Wellcome & Co.



## ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR ? IF SO, READ THIS

In order to assist employees who have lost their employment, either through enemy action or through businesses being closed down in defence areas, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not later than WEDNESDAY morning of week of issue.

## WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war. Prospective employers are requested to give them special consideration

*Advertisers in this Section should advise us immediately employment has been secured.*

### RETAIL

CHEMIST (35) capable Manager, effective Window-dresser, accurate Dispenser, requires permanency in Leeds or near. London and provincial experience. "Chemist," 5 Henconner Drive, Leeds, 7.

DISPENSER, lady, Unqualified; 21 years' experience; last 14 years dispensing for same firm of doctors; free entirely owing to evacuation of patients; highest recommendation. S.W. London preferred. Apply, 32 Babington Road, Streatham, S.W.16.

HOSPITAL Dispenser, Lady; free afternoons, part-time duty, or as Secretary-Dispenser general practice. London. CBD/274, London Office of this Paper.

LADY Dispenser-Book-keeper, Qualified ("Hall" Certificate, 1923), requires post with Doctor, Doctors or Chemist. Several years' experience in busy general practices; available any time; interview if required; anywhere. Good references. Fletcher, c/o 25 Park Lane, Wallington, Surrey.

PHARMACIST, married, tall, with personality, desires Management. London experience. Suburban. Kent preferred but not essential. Free now. CDB/245, London Office of this Paper.

PHARMACIST, 10 years' high-class West End experience. Age 33, medium height. Keen and energetic; married. CBD/296, London Office of this Paper.

QUALIFIED (48), married, disengaged through enemy action seeks immediate employment in any position of trust; 20 years' experience in all branches (some wholesale), within 50 miles Bristol preferred but not essential. CDB/312, London Office of this Paper.

UNQUALIFIED Assistant, varied and long continental experience; last situation Cannes eight years. Fluent French. Age 64, but fit, active and in good health. Competent Dispenser. Free now. CDB/238, London Office of this Paper.

UNQUALIFIED Assistant, recommended by the Committee for British subjects evacuated from France; 38 years' experience, very active, previously employed at Cannes, France. Apply Committee for British Subjects Evacuated from France, 66 Whitecomb Street, London, W.C.2.

YOUNG LADY (24), Unqualified, all-round experience in Retail Pharmacy, requires position, preferably in East End of London. Excellent references. Apply CDB/273, London Office of this Paper.

### WHOLESALE

ACTIVE Representative (43), disengaged owing to war. Ten years with last firm. Good connexion London, Home Counties and South Coast, Wholesale and Retail. Seeks re-employment. Highest credentials. Own car. CDB/257, London Office of this Paper.

EXPERIENCED Sugar-coater, disengaged, also Pill-maker and Pearl-coater; 30 years' experience. CDB/307, London Office of this Paper.

REPRESENTATIVE (55), very fit, disengaged owing to enemy action. Lengthy experience calling on chemists, etc. (perfumery and cosmetics). Not a chemist, but could handle proprietaries, packed goods, etc. Well known London area but would go anywhere. Excellent references, highest credentials. Own car. CDB/265, London Office of this Paper.

REPRESENTATIVE (55), disengaged owing to enemy action. Thirty years' experience calling on Chemists, Hairdressers, Stores, and Wholesale. London, South Coast, and Home Counties. Very active, car driver. CDB/303, London Office of this Paper.

REPRESENTATIVE (49), active, disengaged when required owing to war. Twelve years present firm; well known to Chemists and Stores North of Thames. Wholesale and Retail. Highest credentials. CDB/302, London Office of this Paper.

REPRESENTATIVE, very well known to the Trade, West and North Riding of Yorkshire; 15 years with present firm; keen salesman; opened and kept over 1,000 accounts; has full confidence of Chemists. Disengaged January 1 next, owing to war. CDB/278, London Office of this Paper.

REPRESENTATIVE (young) 7 years with present House (bombed out) seeks position. Excellent connexion S. Wales, Lancs, Yorks, N.W. Counties, etc. Drugs, Sundries, Toilets, etc. Can commence immediately. CDB/310, London Office of this Paper.

SALES Representative (42) disengaged owing to Limitation of Supplies Order, has established connexion among Chemists and Stores in London and district; 11 years with last firm; 21 years' sales experience. Excellent references. Car driver. CDB/308, London Office of this Paper.

WELL-KNOWN, successful Midlands, Yorkshire Representative, 16 years, desires post. Ineligible military service, experienced all requirements for Pharmacists, Hairdressers. Quota compelled late firm to suspend representation. Own car. Salary, expenses. CDB/306, London Office of this Paper.

## PURCHASE TAX GUIDE

This guide provides quick and easy alphabetical reference to all the types of goods of interest to the pharmaceutical, chemical and associated industries specified in the schedule of goods chargeable with purchase tax, issued by Customs (Notice No. 78).

Reprints of this guide (published in the October 19th, 1940, issue of "The Chemist & Druggist") are now available at the following prices:—

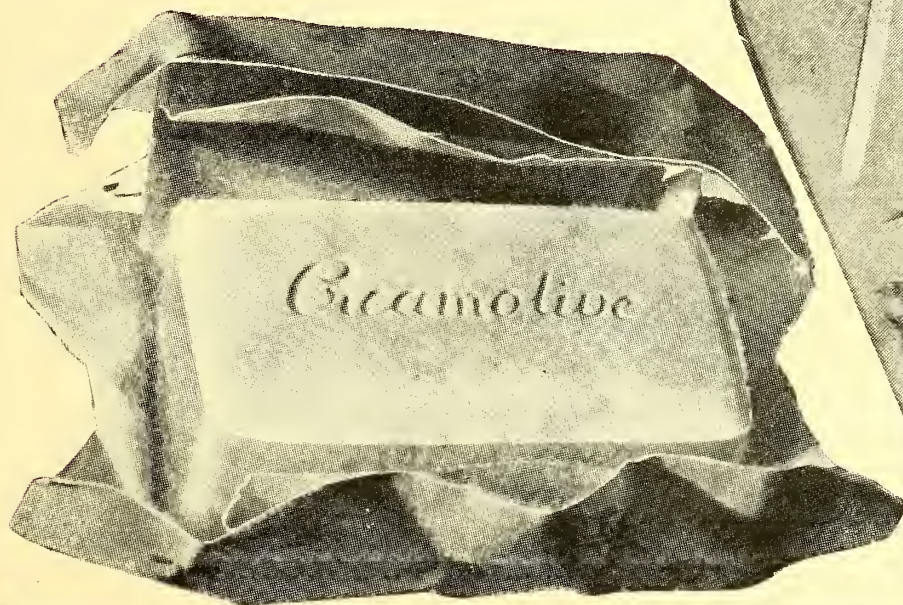
| 6 copies | 7d. post free |
|----------|---------------|
| 12       | 1s. 0d. " "   |
| 25       | 1s. 9d. " "   |
| 50       | 3s. 0d. " "   |
| 100      | 4s. 6d. " "   |

Orders, together with remittance, should be sent to The Publisher, "The Chemist & Druggist," The Pitman Press, Bath



# Instant Approval

"from women everywhere. Because Creamolive is so gentle with tender skins—its rich creamy lather so very refreshing. Every day the demand for Creamolive increases. Are you displaying this popular priced Beauty Soap?"



**CUSSONS SONS & CO. LTD.** KERSAL VALE, MANCHESTER & 8-9 PADDINGTON STREET, W.1



**FOR****COLDS****Etc.****LUNG  
TONIC**

Coltsfoot, Horehound, Tolu,  
Theriac, Chloroform, Aniseed,  
Peppermint, etc.

2½ oz. 6/6 doz.

5 oz. 9/9 doz.

**BRONCHIAL  
MIXTURE****EXTRA STRONG**

Squills, Camphor,  
Senega, Ammonia,  
etc.

6 oz. 8/3 doz.

**CHEST  
VAPOUR RUB**

Camphor, Menthol,  
Pine, Thymol, Cedar-  
leaf, etc., in Petroleum  
base.

In TINS  
1 oz. 3/8 doz.

In POTS  
1 oz. 4/9 doz.

**CHESTNUTS**

BRAND

The Famous Tablet for  
Chest and Lungs.  
By WEIGHT with cartons for  
packing

2/1 lb.  
14 lb. @ 2/-  
28 lb. @ 1/11  
56 lb. @ 1/10  
112 lb. @ 1/9

Also Popular Rolls of 20 Tablets  
(Retail 3½d. P.T. included)  
Under 1 gross @ 21/3  
1 gross @ 19/6 gross  
5 gross @ 18/- gross



# COX of BRIGHTON

ARTHUR H. COX & CO. LTD. • MANUFACTURING CHEMISTS SINCE 1839

All prices are subject to purchase tax 16½% and materials being available







